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Richard C. Auchterlonie

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Sebastien Keller, Daniel Gardere  
Jie Wang, Michel Noury, Sorin Faibish

Serial No.: 09/750,554

Confirmation No.: 6460

Filed: 12/28/00

For: METHOD OF PAUSING AN MPEG  
CODED VIDEO STREAM

Group Art Unit: 2614

Examiner: Unknown

Atty. Dkt. No.: EMCR:069/AUC

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SUBMISSION OF FORMAL DRAWINGS

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Commissioner for Patents  
Washington, D.C. 20231

Sir:

Applicants hereby submit the formal drawings (38 sheets) for the above-referenced application and request that these drawings be accepted for filing.

Respectfully submitted,

Richard C. Auchterlonie

Richard C. Auchterlonie  
Reg. No. 30,607

HOWREY SIMON ARNOLD & WHITE, LLP  
750 Bering Drive  
Houston, Texas 77057-2198  
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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

	<b>Application Number</b>	09/750,554, Confirmation No. 6460
	<b>Filing Date</b>	12/28/00
	<b>First Named Inventor</b>	Keller
	<b>Group Art Unit</b>	2614
	<b>Examiner Name</b>	Unknown
<b>Total Number of Pages in This Submission</b>	40	
	<b>Attorney Docket Number</b>	EMCR:069/AUC

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<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input checked="" type="checkbox"/> Drawing(s)-Formal (38-sheets, Figs. 1-52)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
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<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	Richard C. Auchterlonie, Esq. Howrey Simon Arnold & White, LLP
Signature	
Date	28 Feb. 2001

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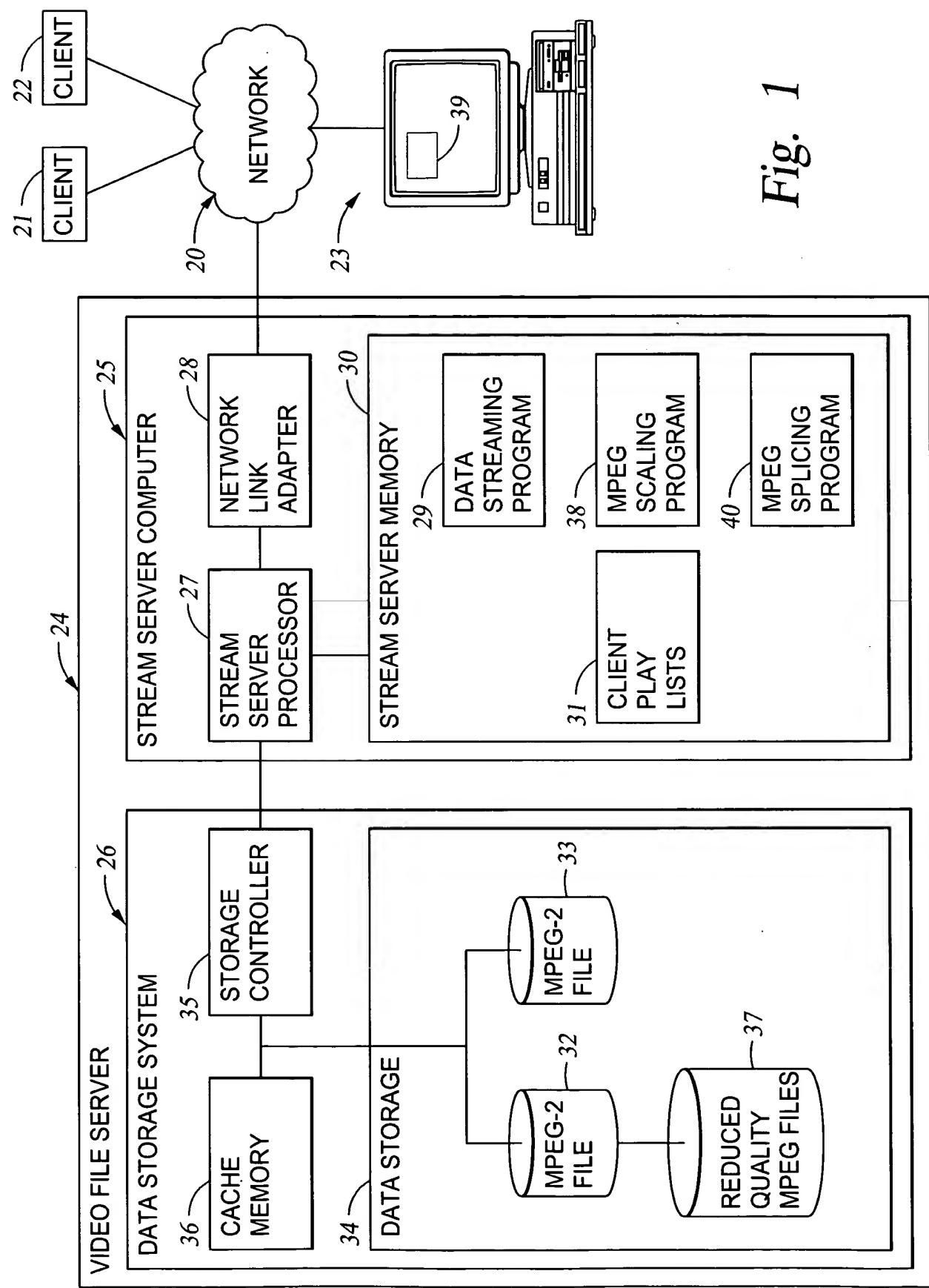
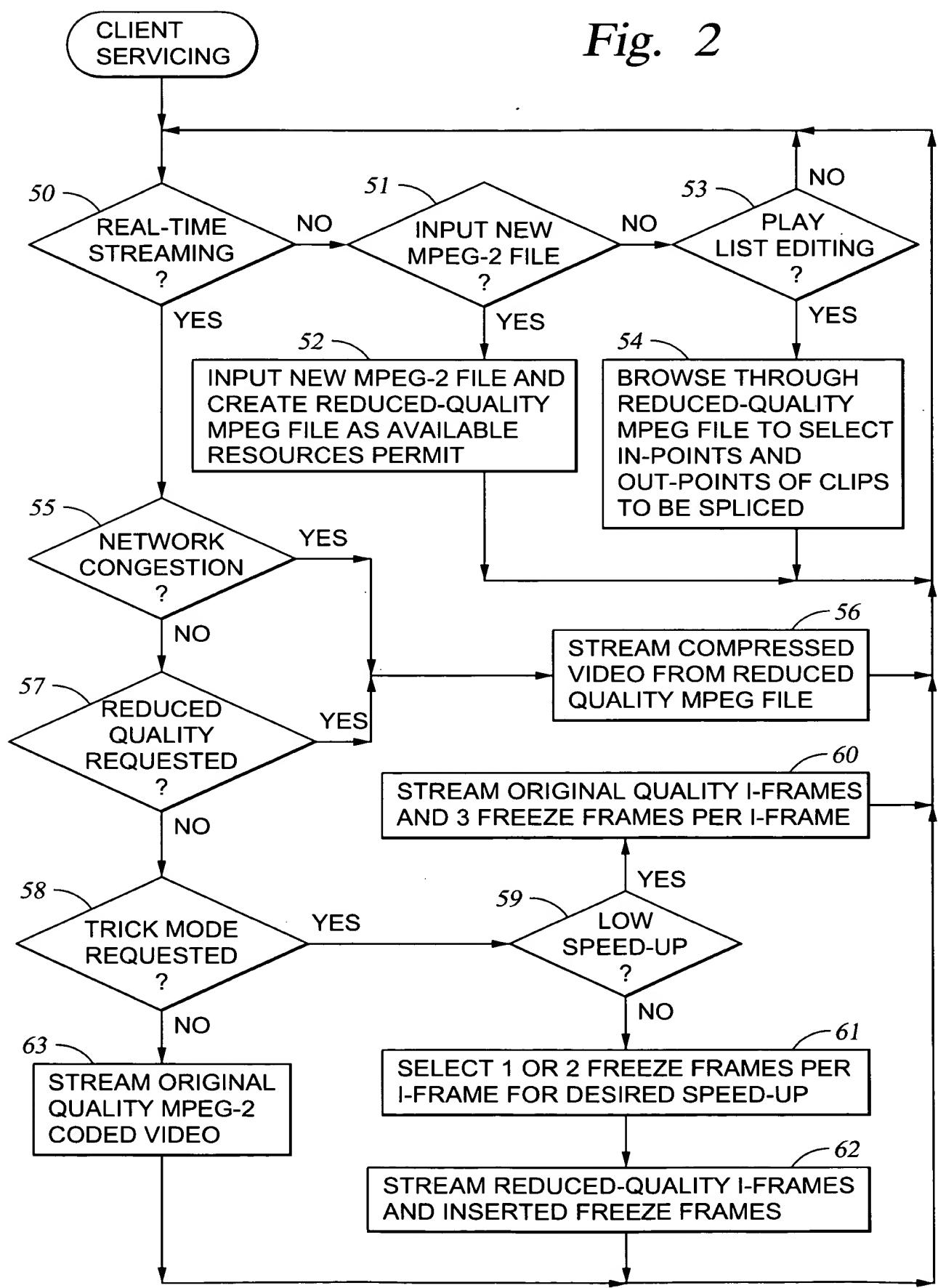


Fig. 1

Fig. 2



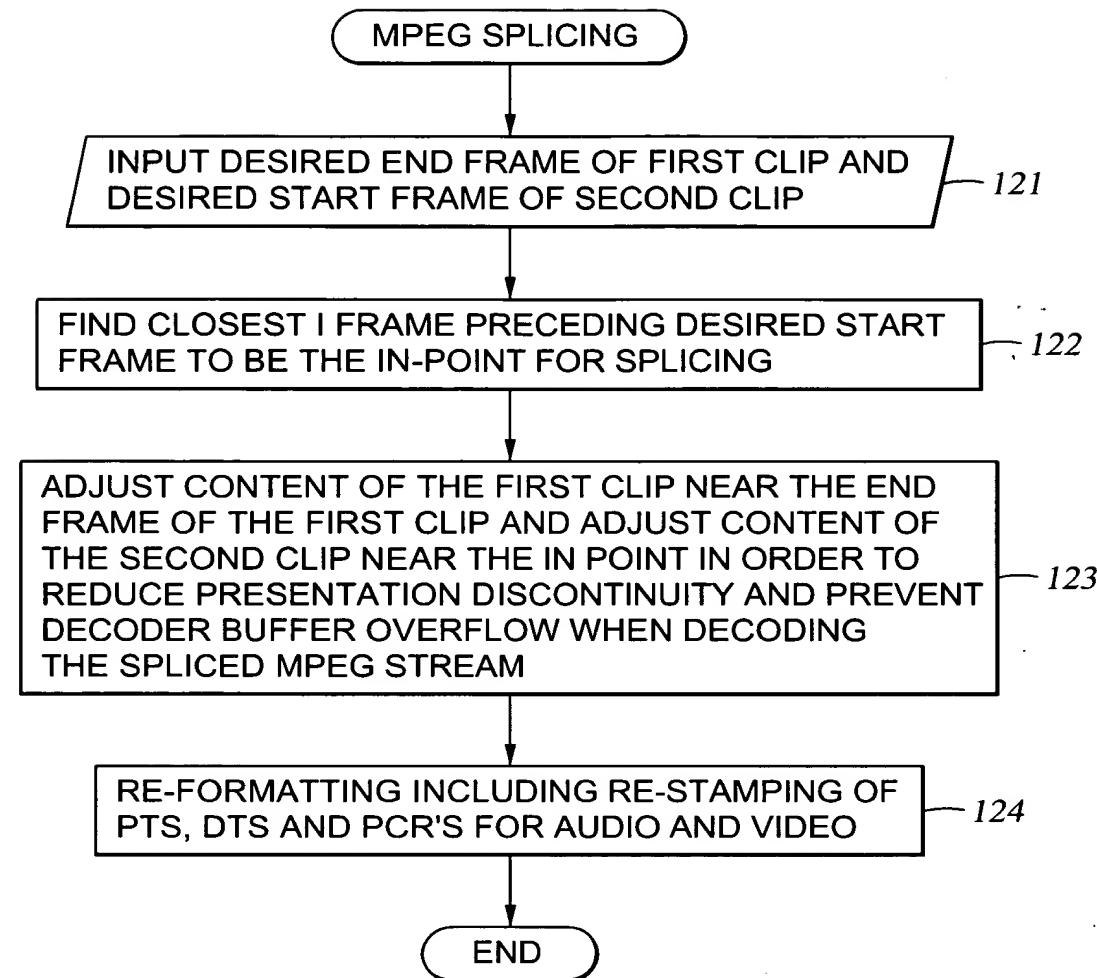


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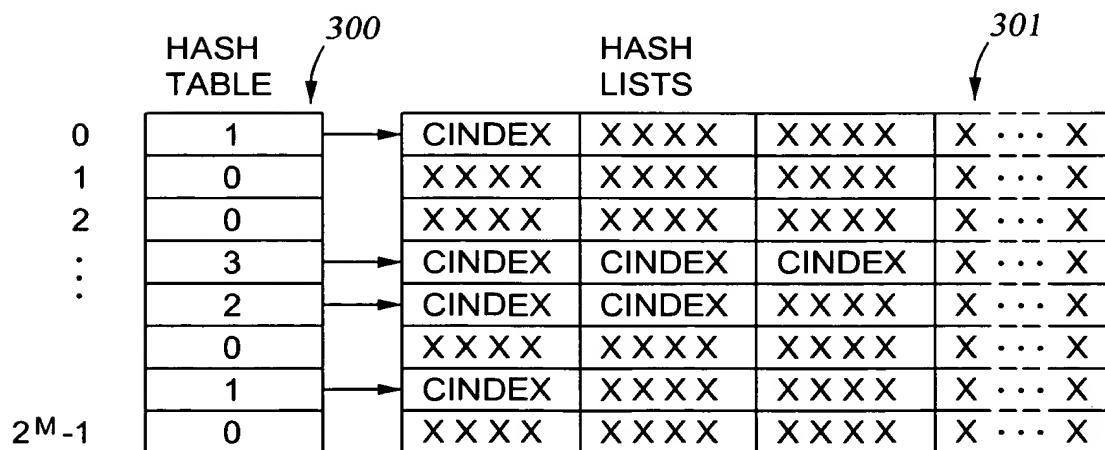


Fig. 18

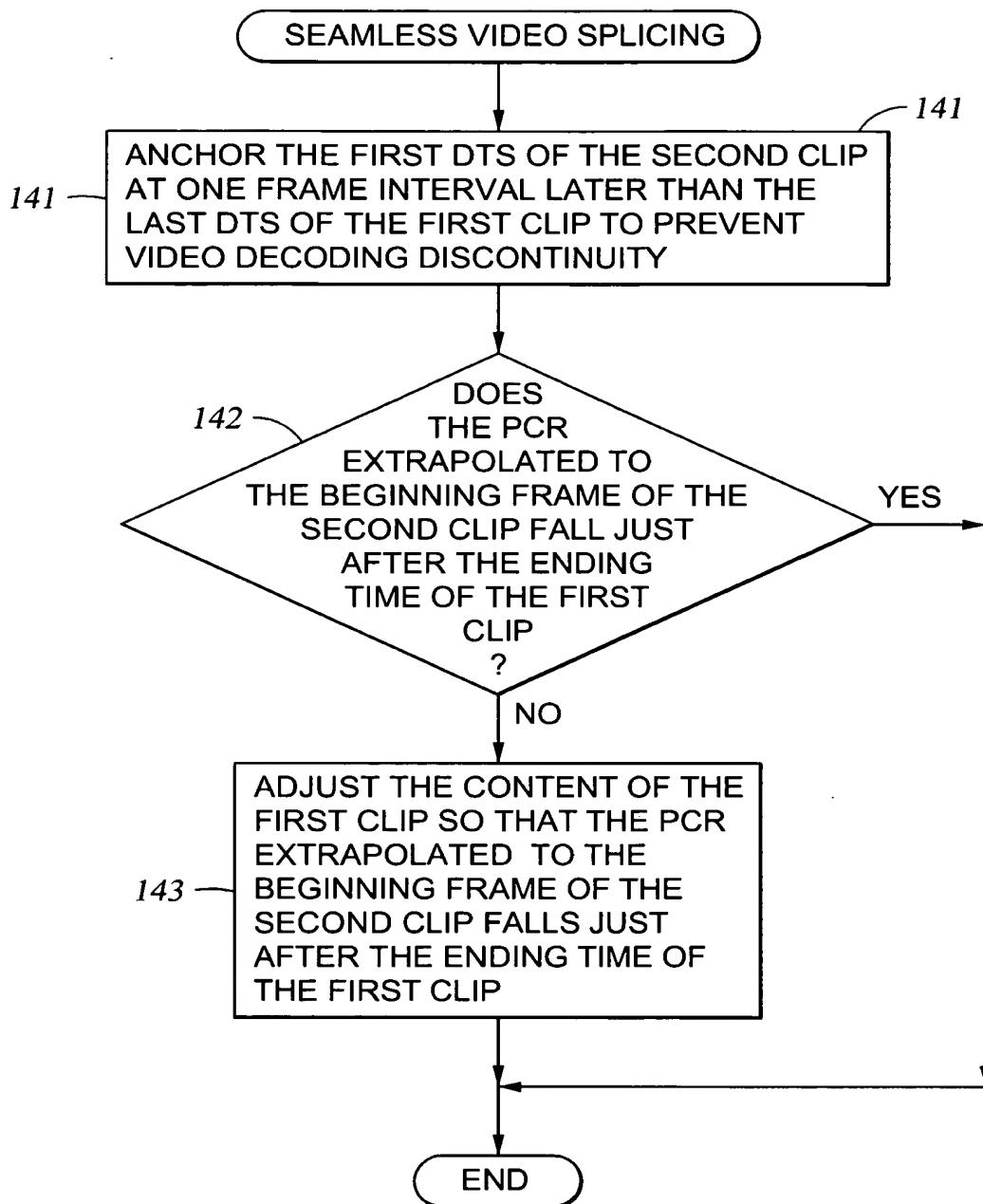


Fig. 4

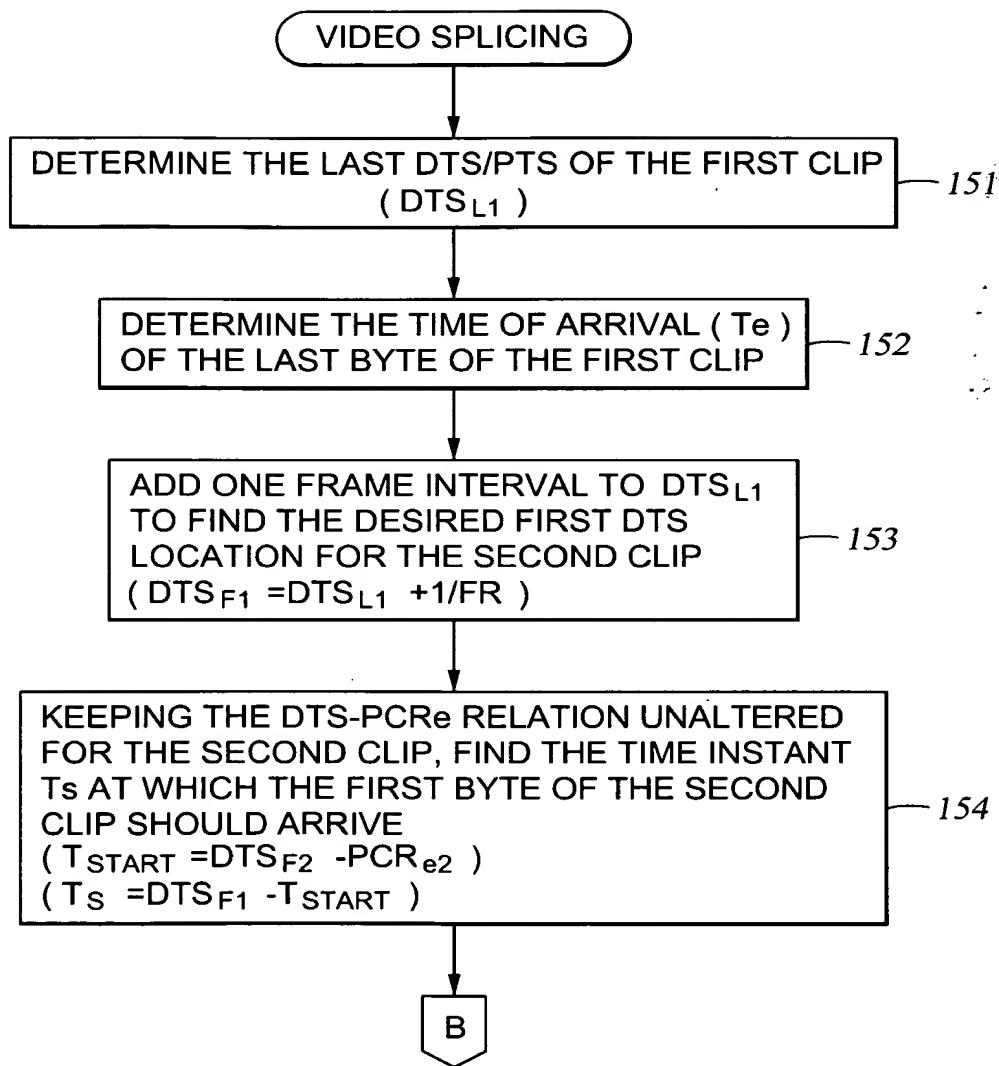
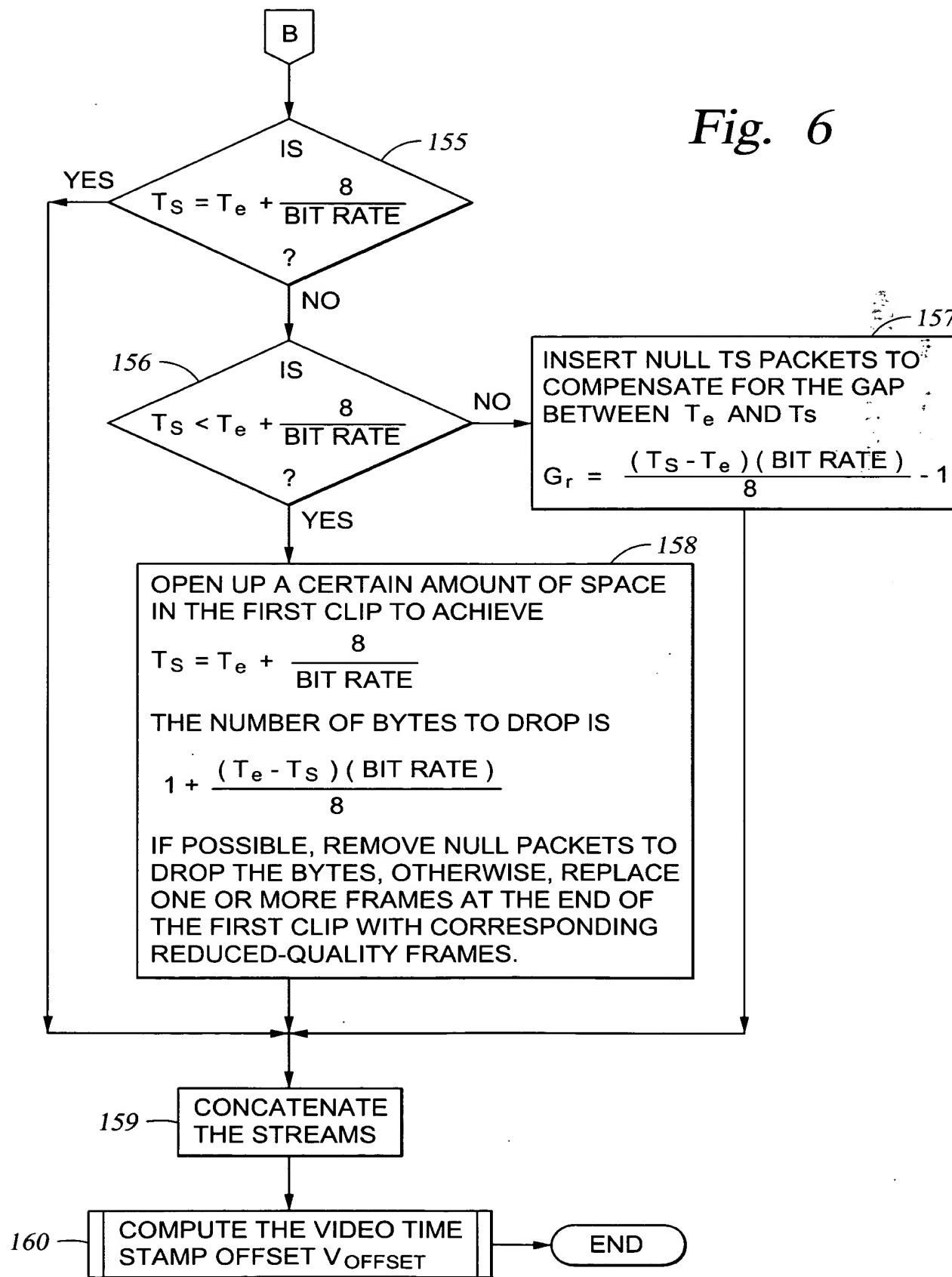
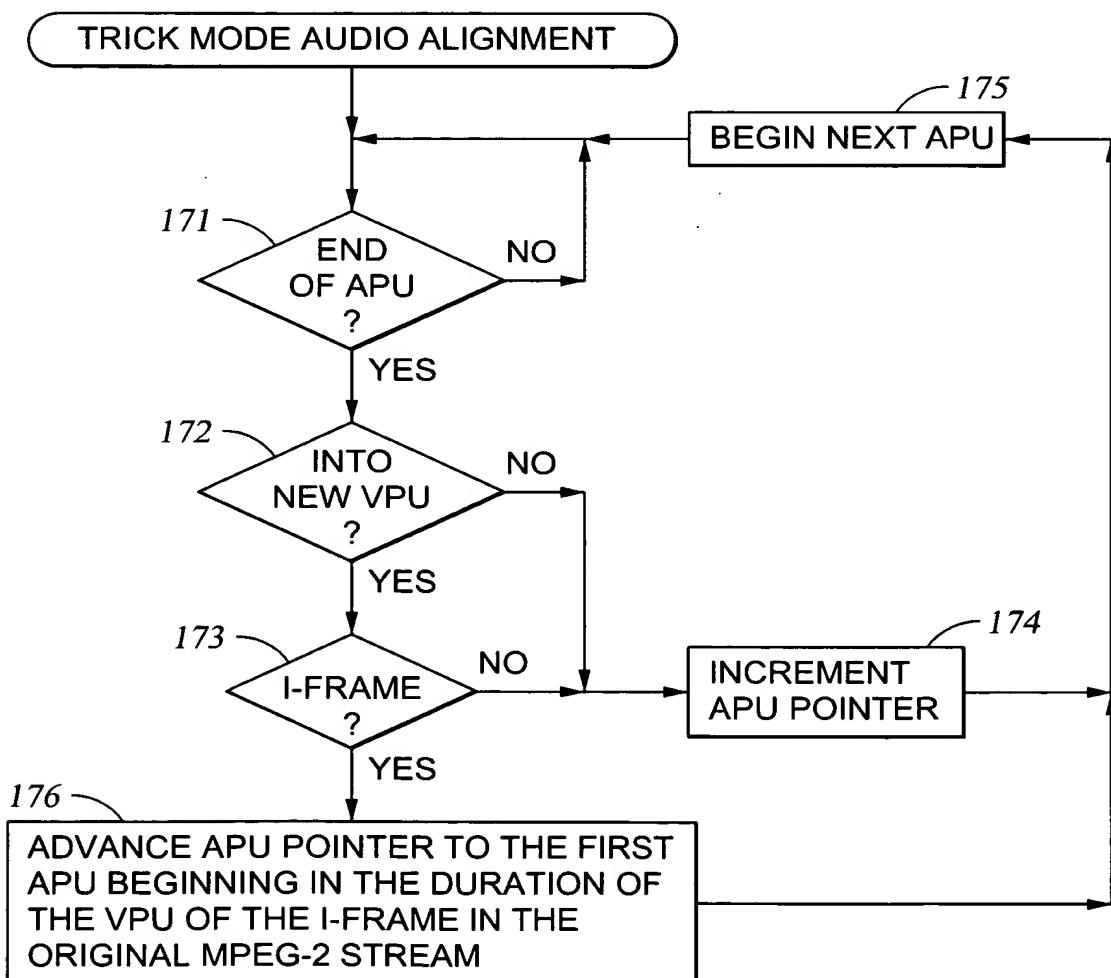
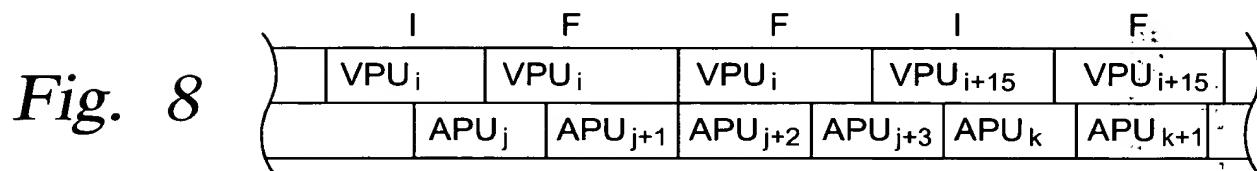
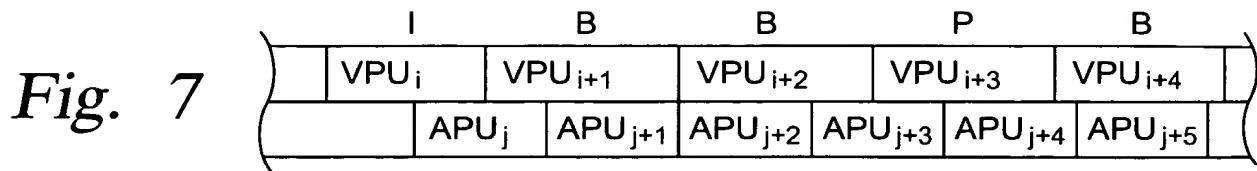


Fig. 5





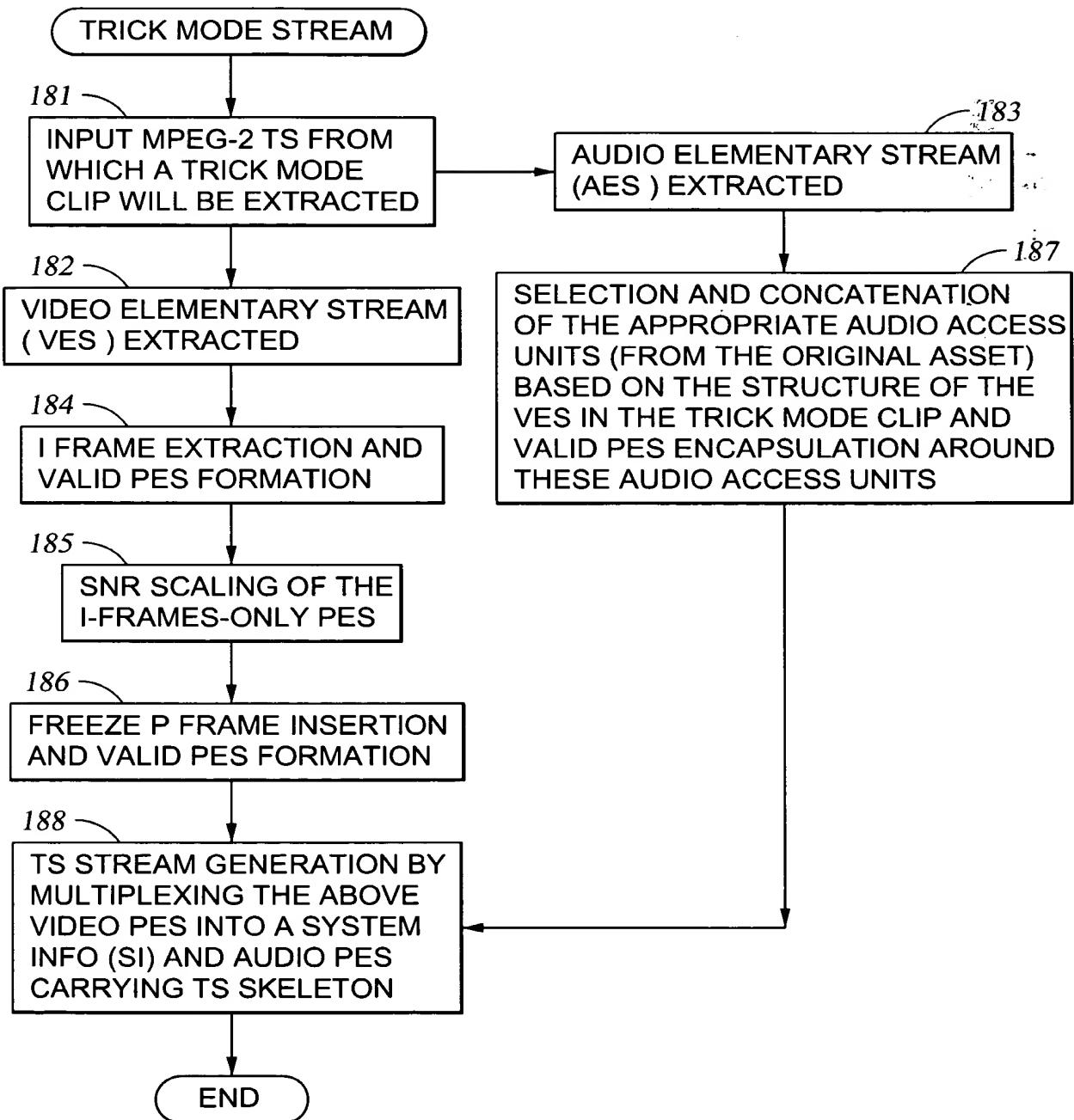
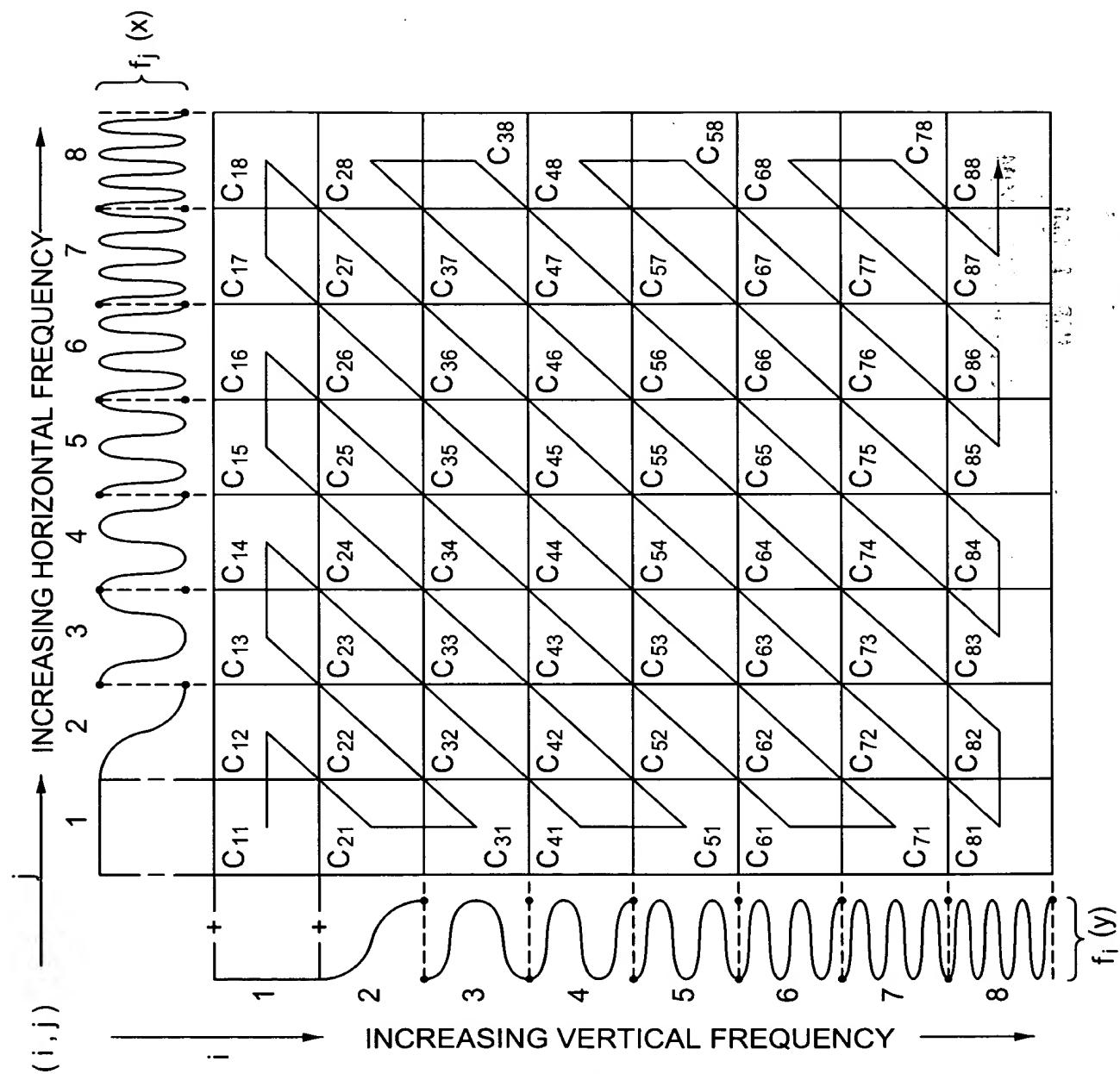
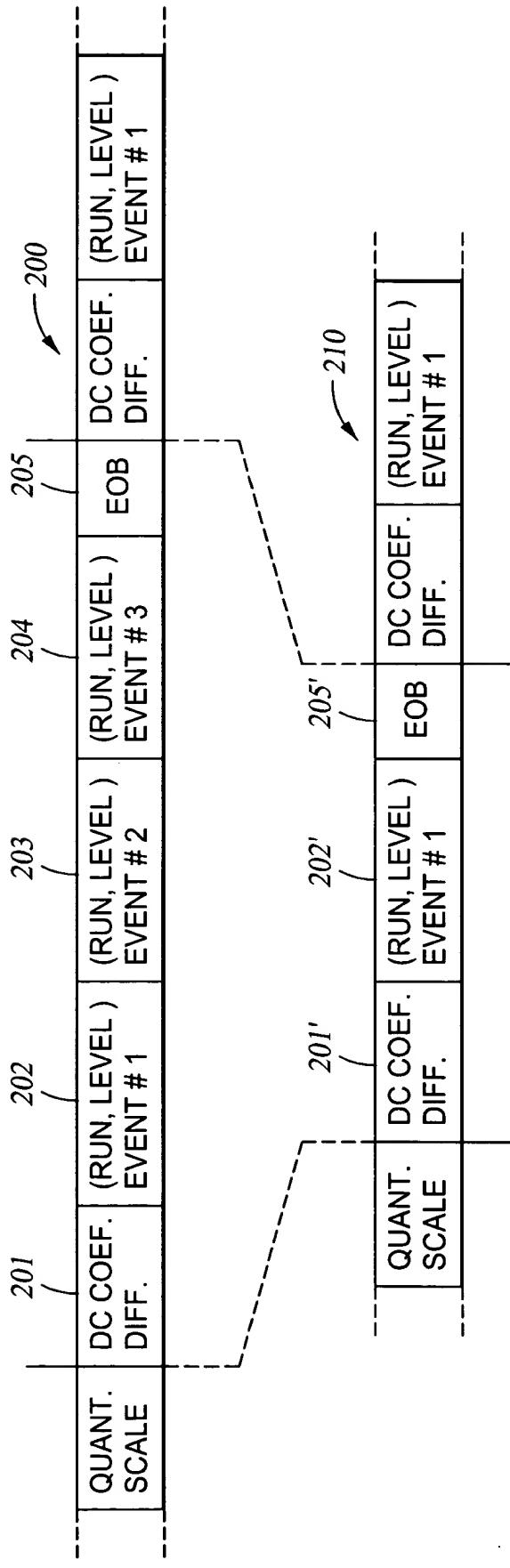


Fig. 10



**Fig. 11**  
(PRIOR ART)

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**Fig. 12**

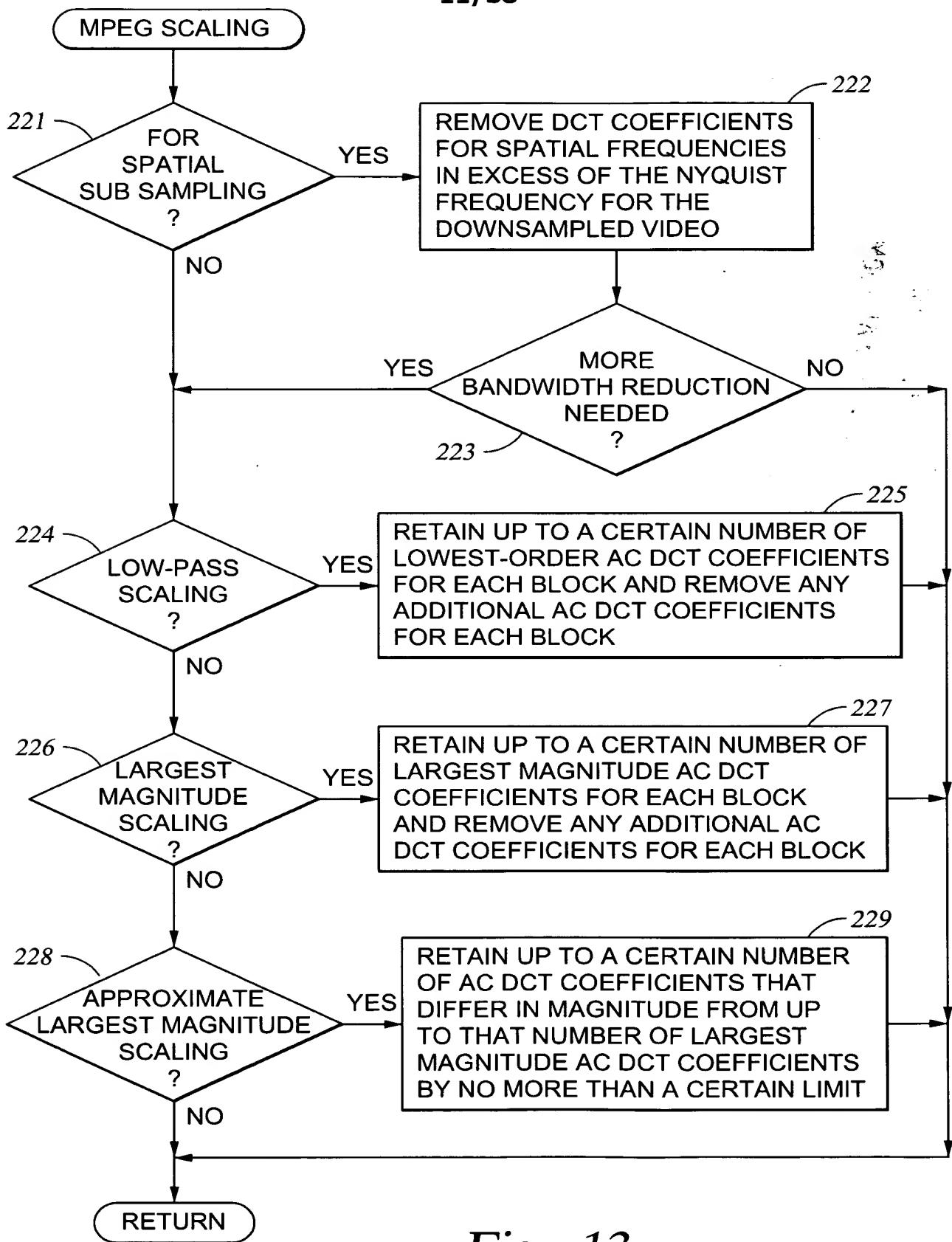


Fig. 13

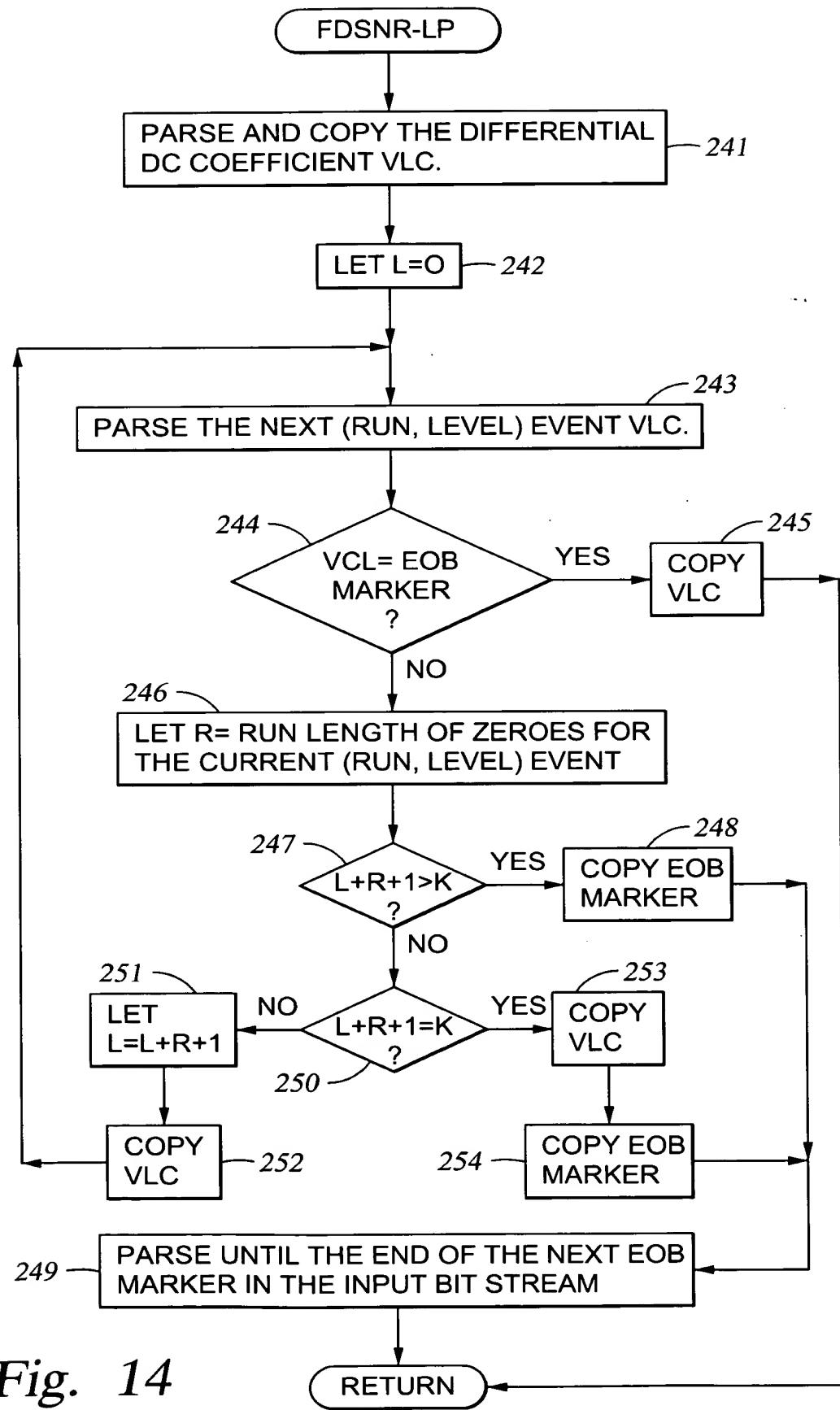


Fig. 14

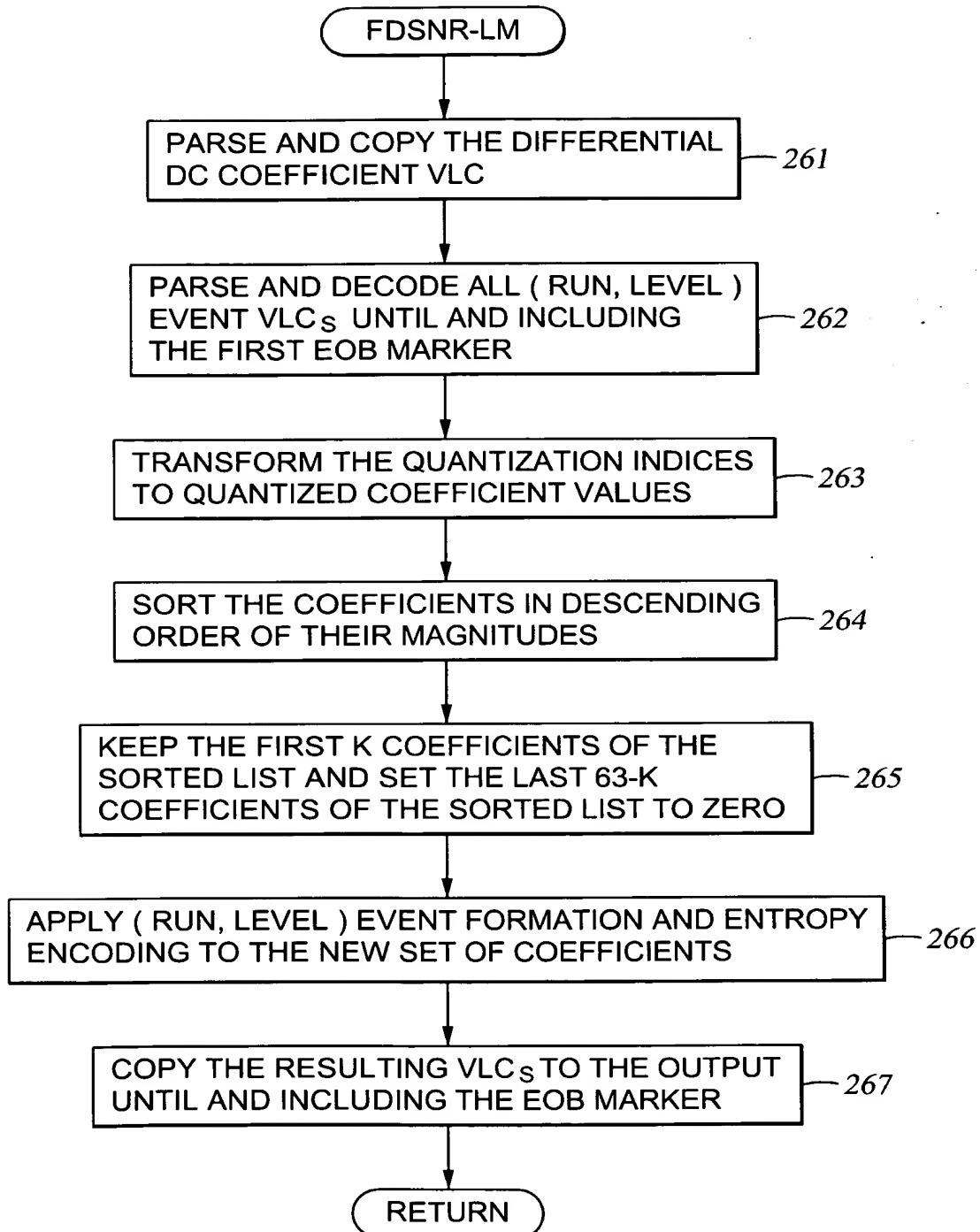


Fig. 15

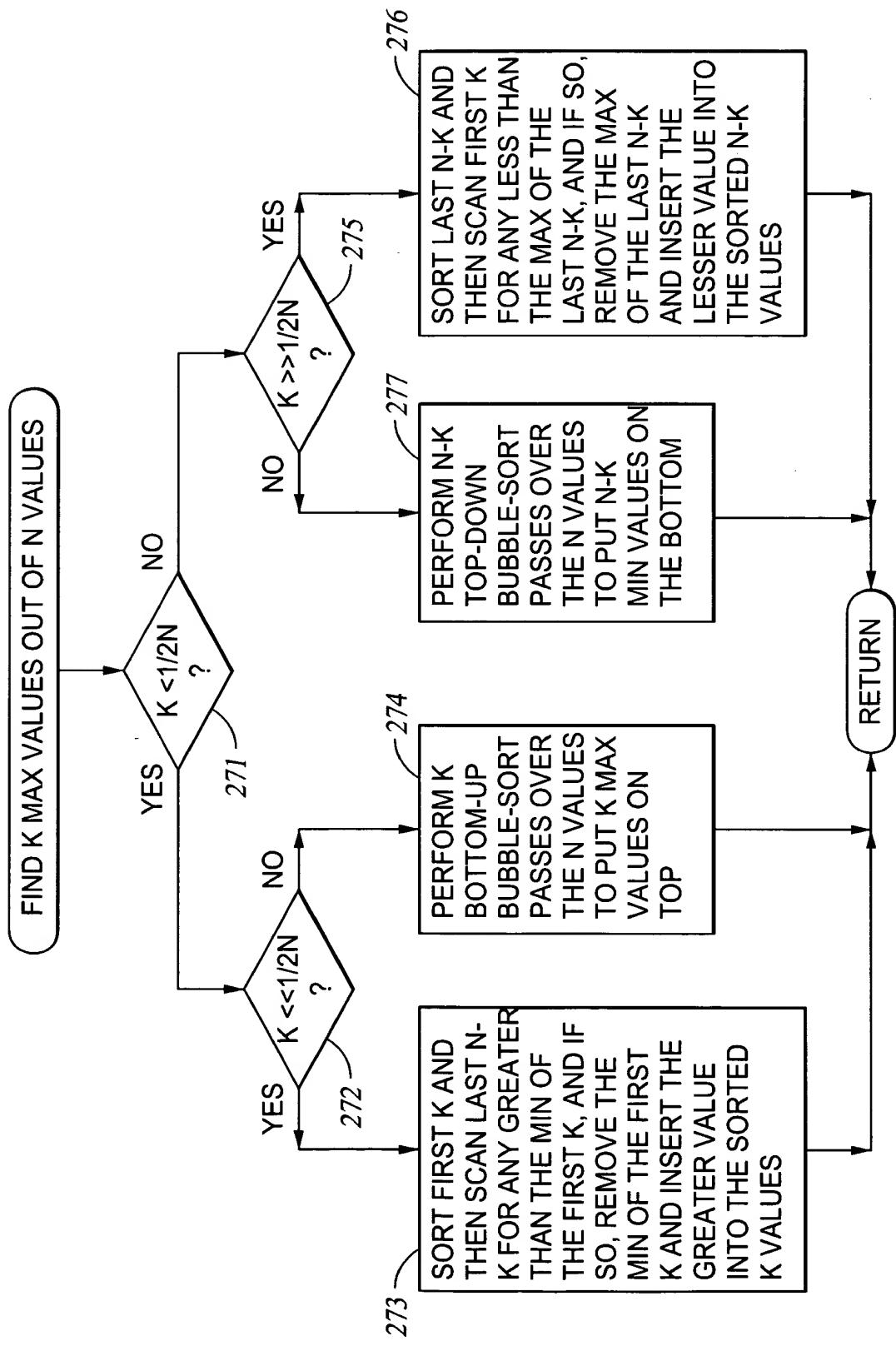


Fig. 16

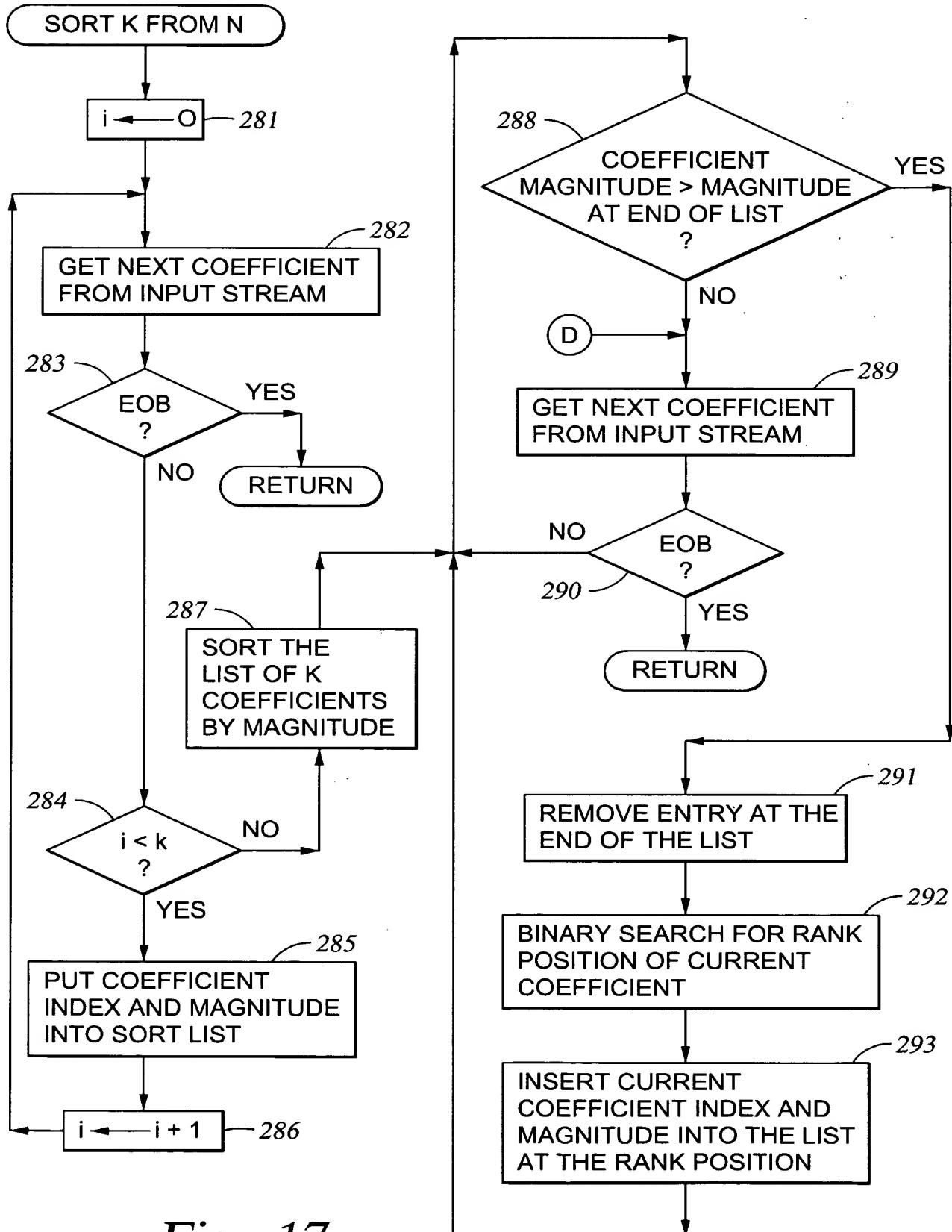


Fig. 17

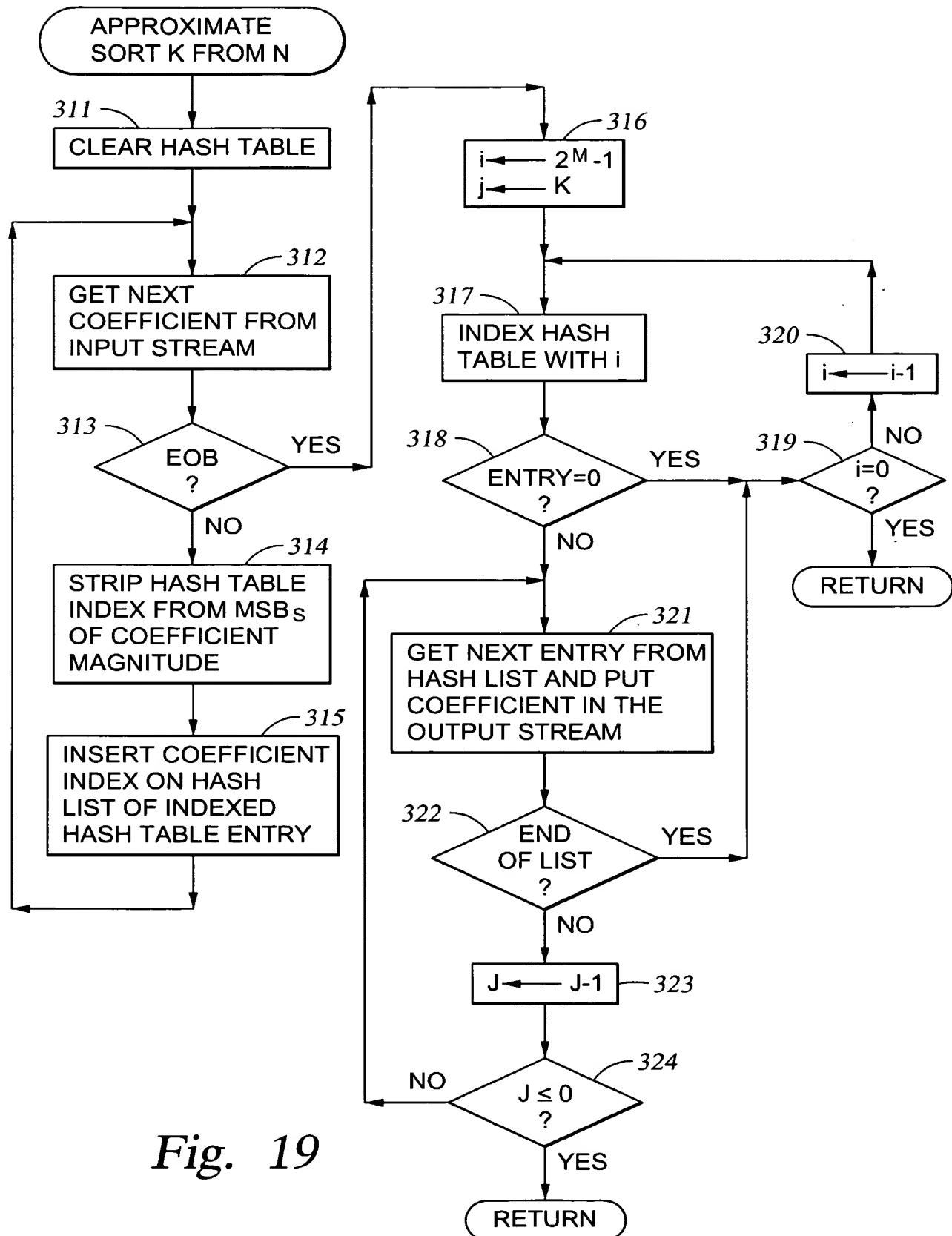


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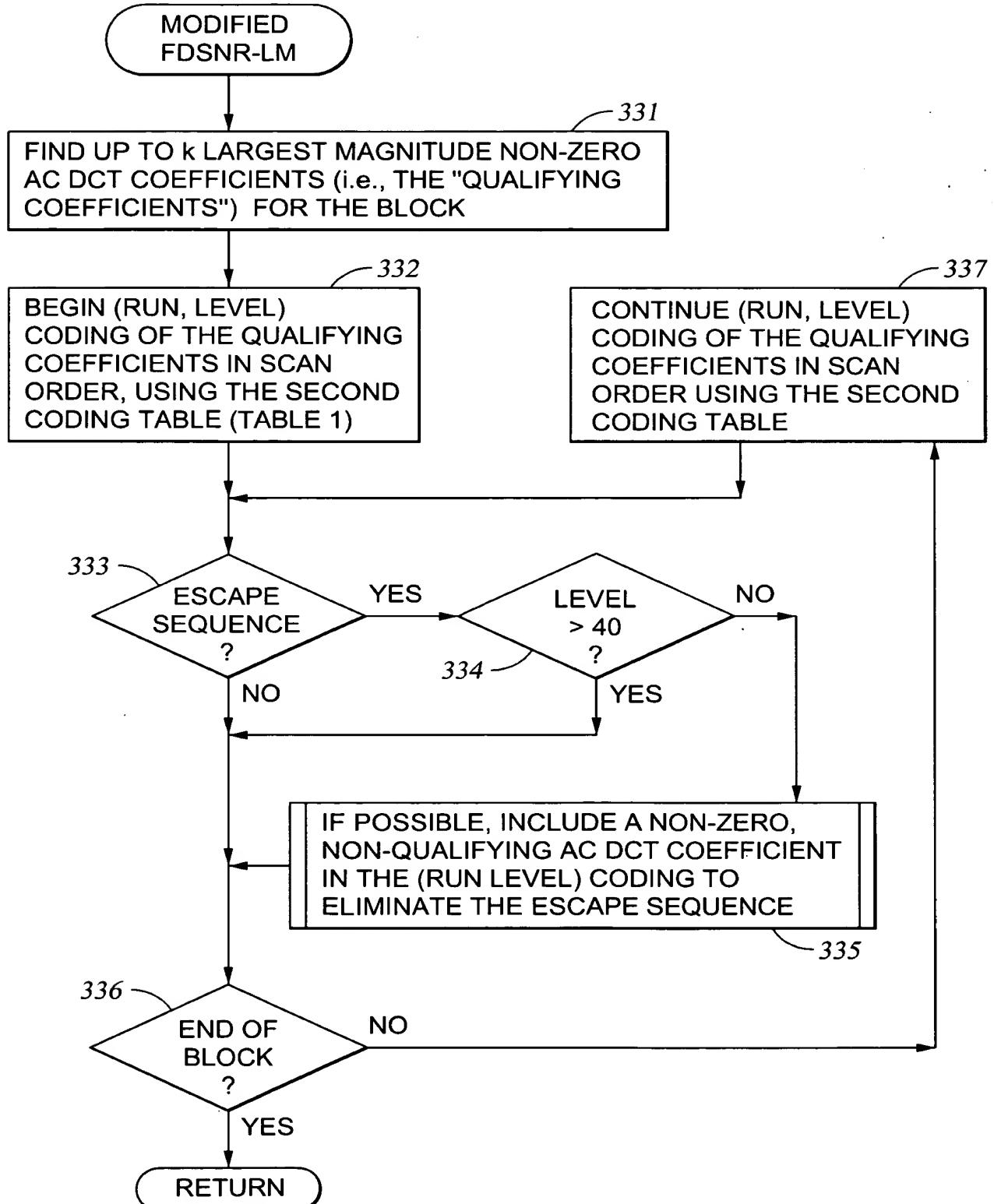


Fig. 20

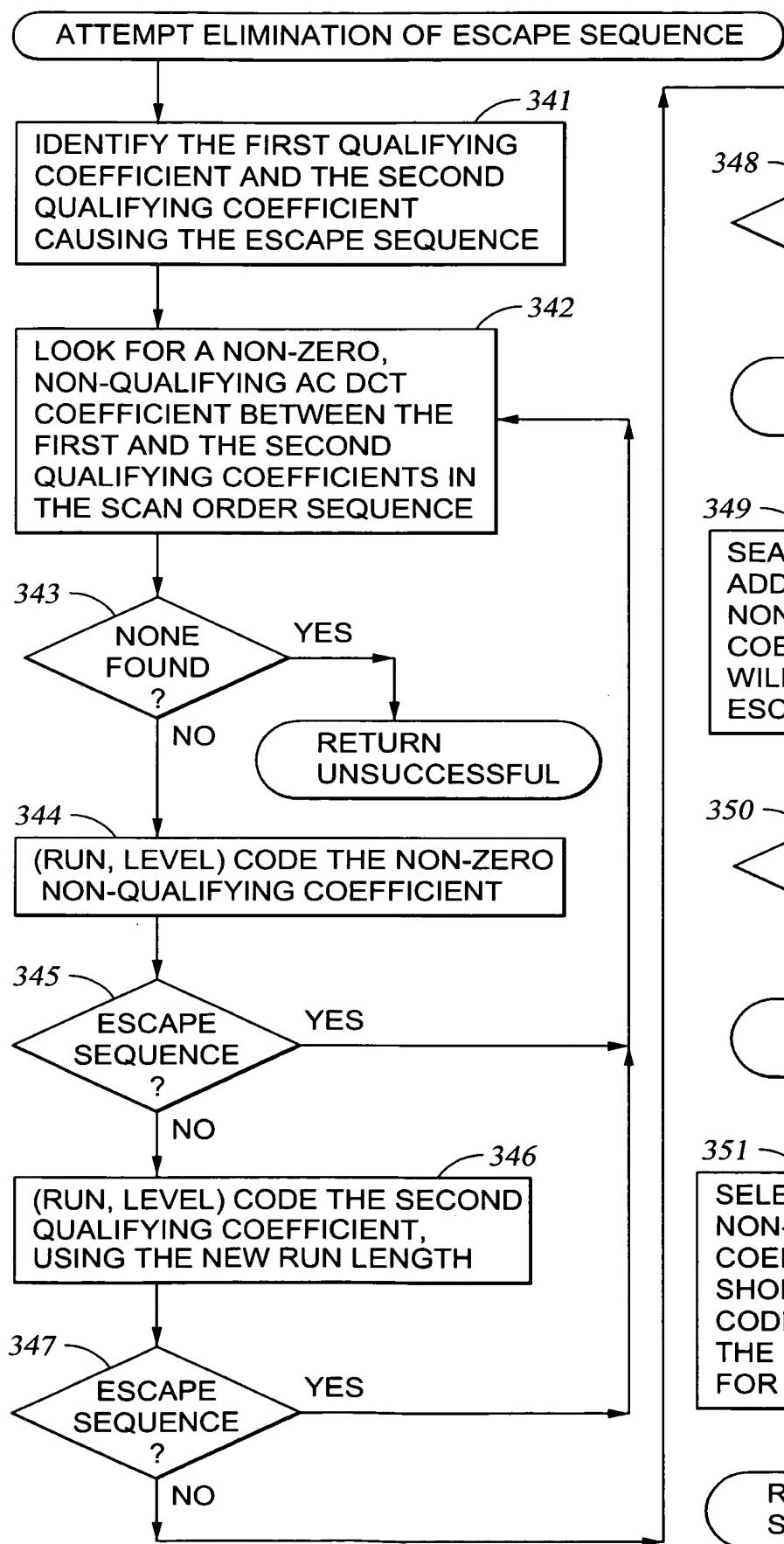
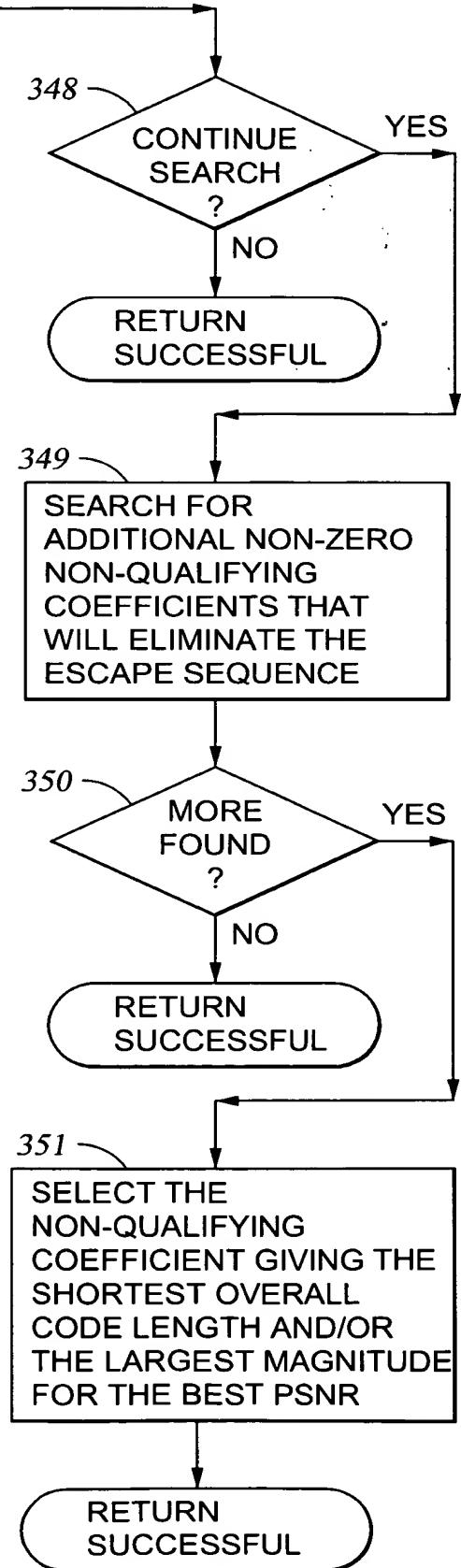


Fig. 21



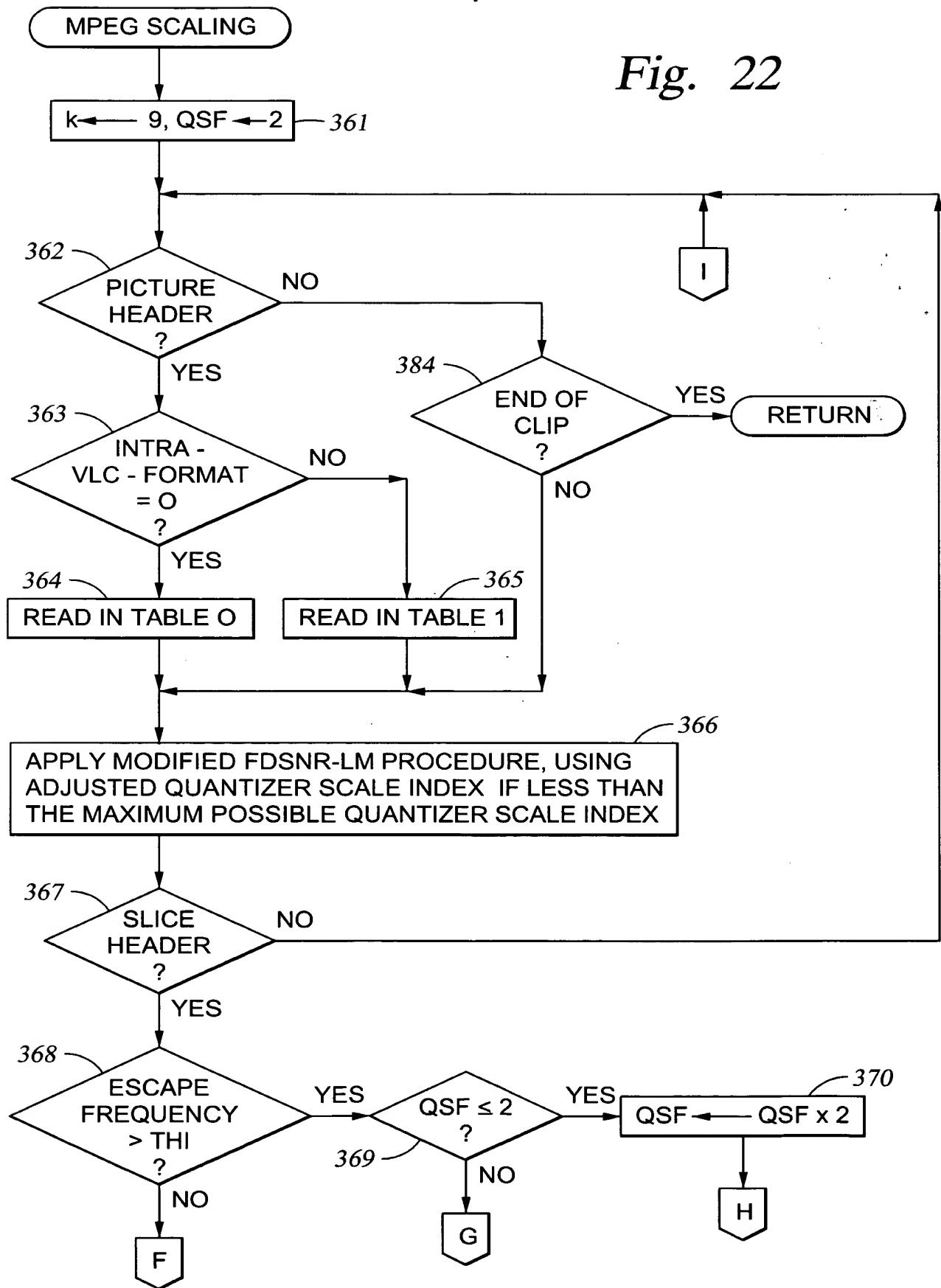
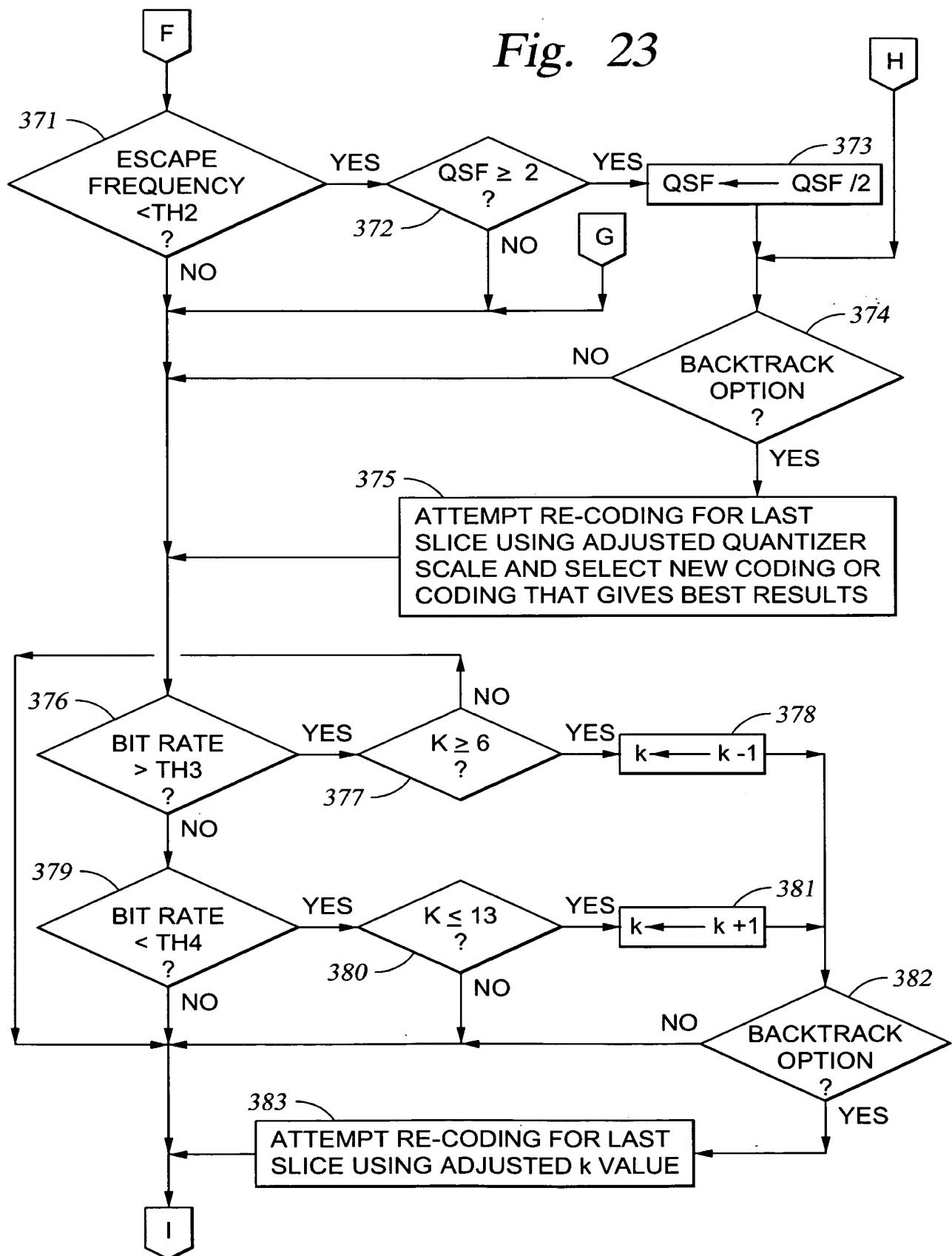
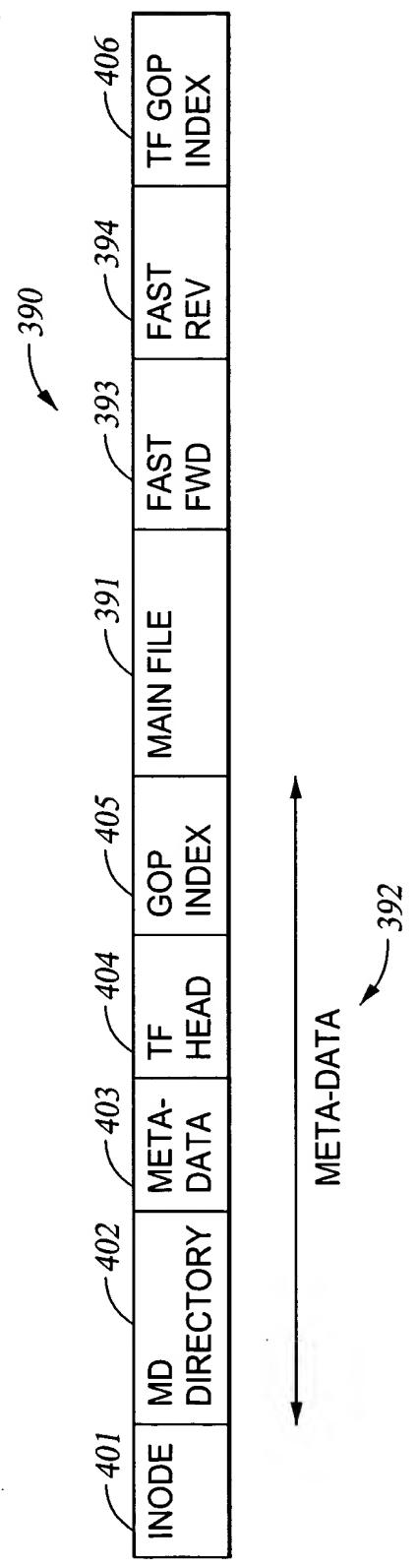
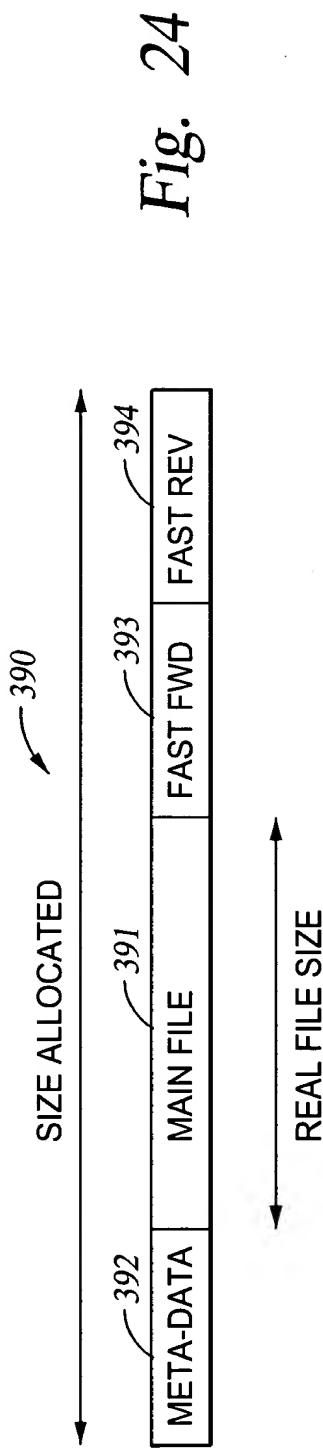


Fig. 23





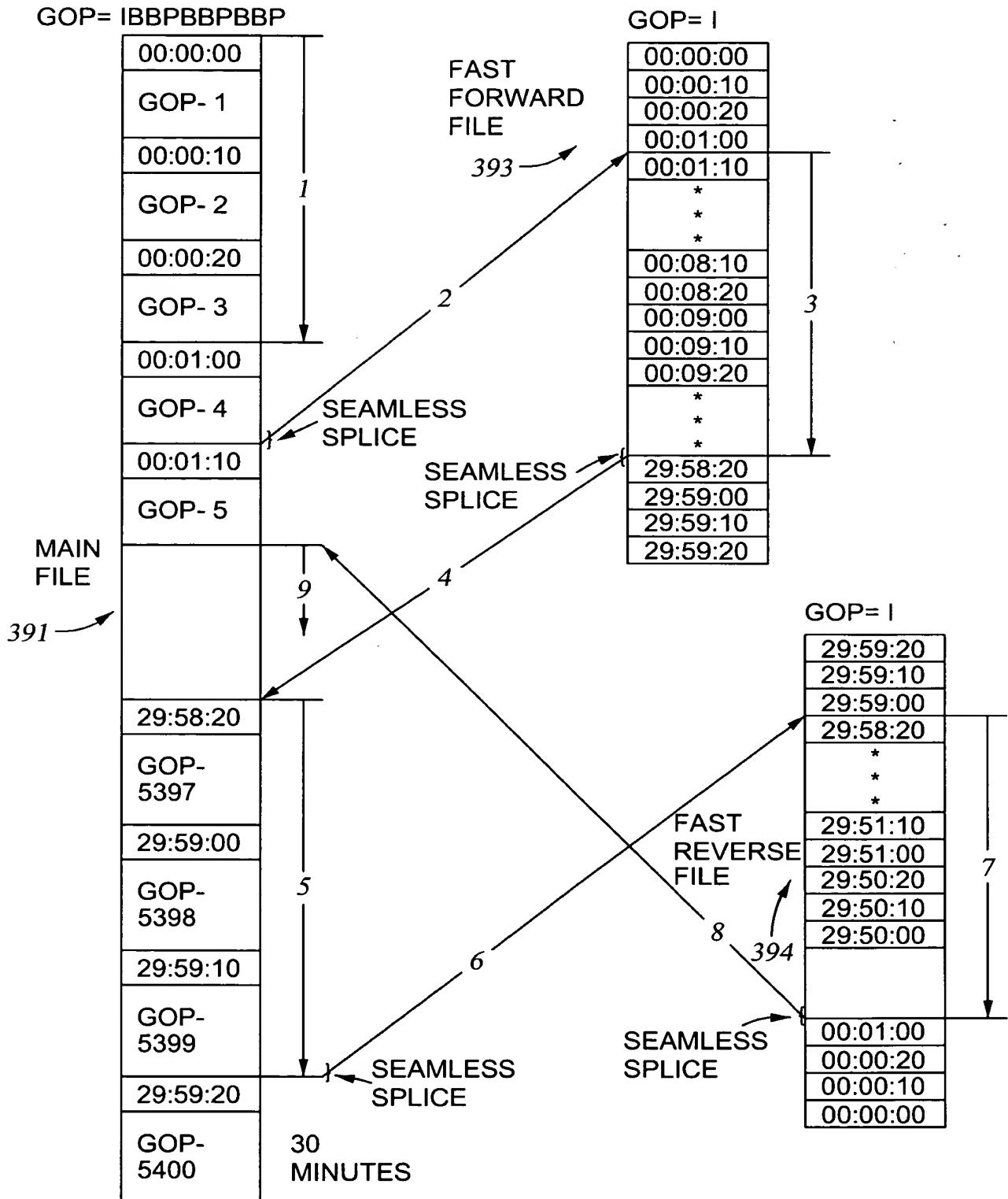


Fig. 26A

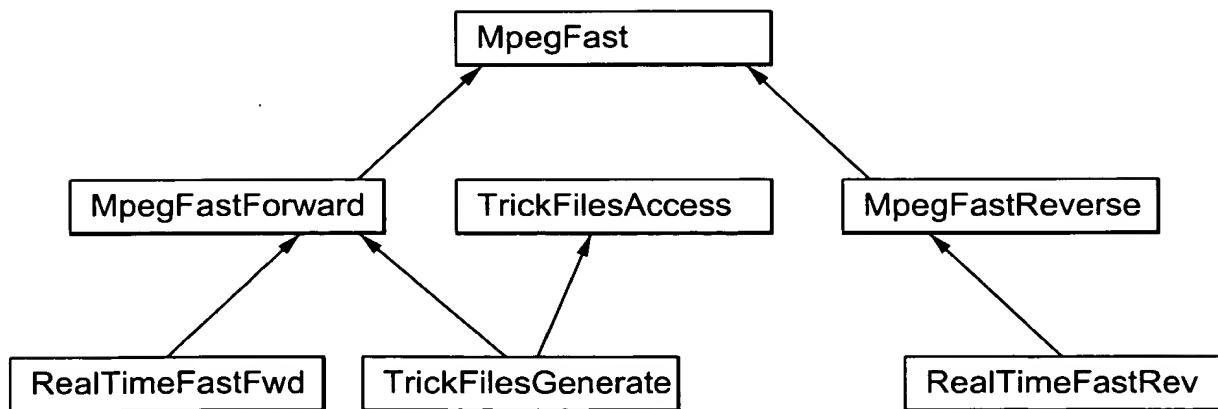
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*Fig. 26B*

- 1- Play from start 1 sec
- 2- Pause
- 3- Fast Forward to 29 min
- 4- Pause
- 5- Play 1 sec
- 6- Pause
- 7- Fast Reverse to 1 sec
- 8- Pause
- 9- Play Normal

	READ	WRITE
COPY OF THE ASSET WITH ALL THE DATA	EMPEG2	EMPEG2
COPY ONLY THE MAIN ASSET	RAW	MPEG2
ARCHIVE	EMPEG2	EMPEG2
PLAY	MPEG2	
RECORD		MPEG2

*Fig. 27*



*Fig. 28*

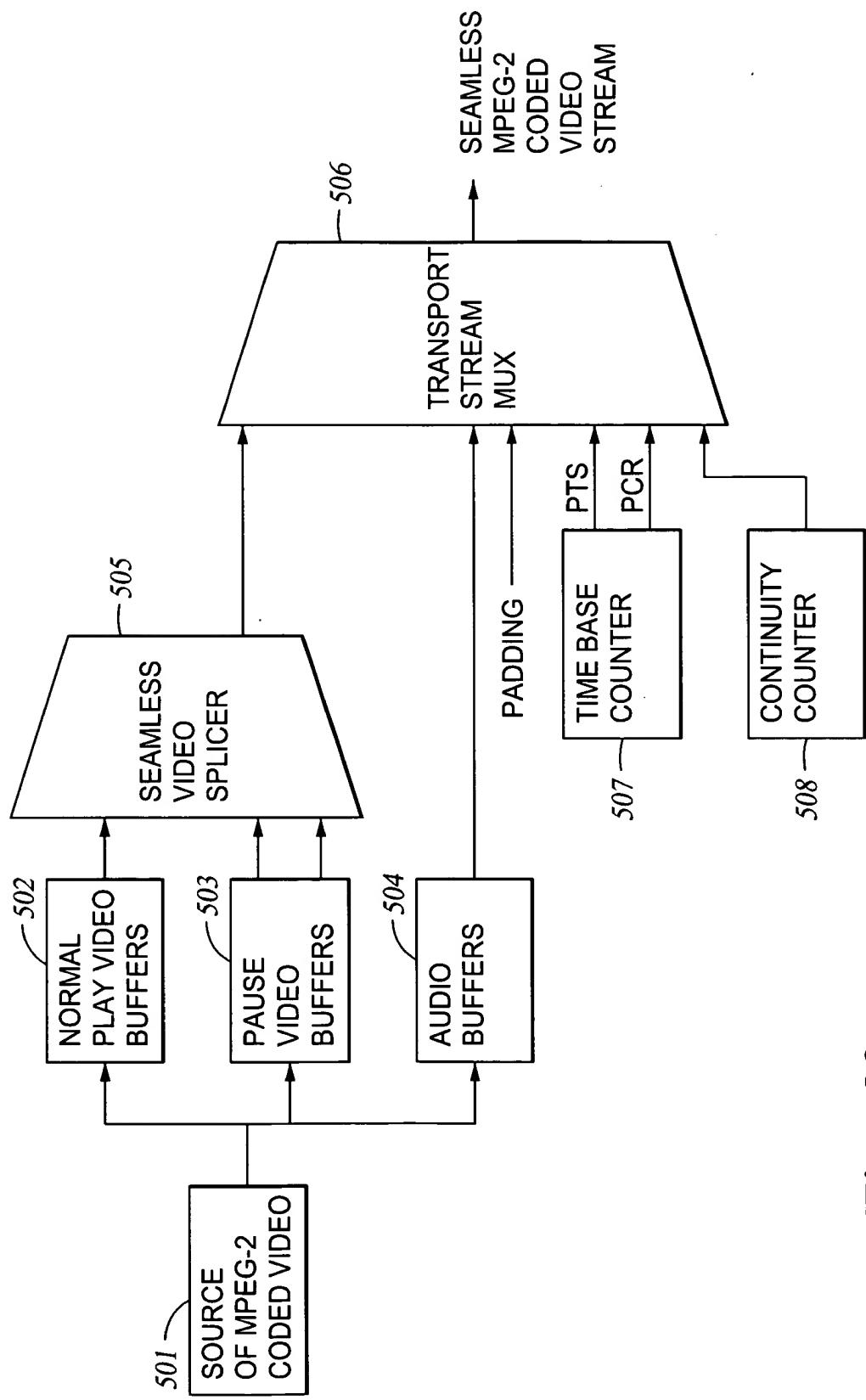


Fig. 29

ORIGINAL VIDEO ES

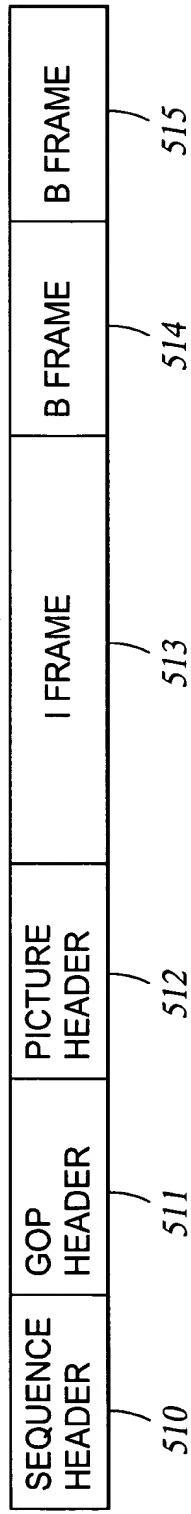


Fig. 30

P FREEZE FRAME ES

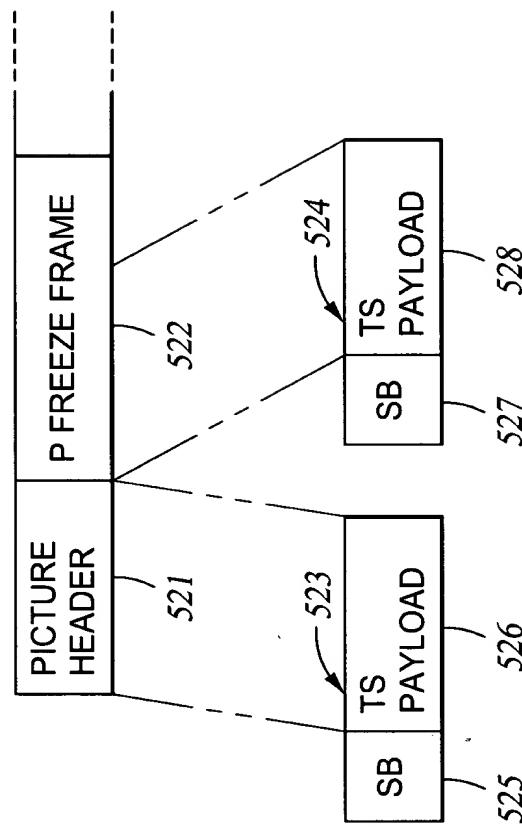


Fig. 31

TRANSPORT STREAM PACKETS

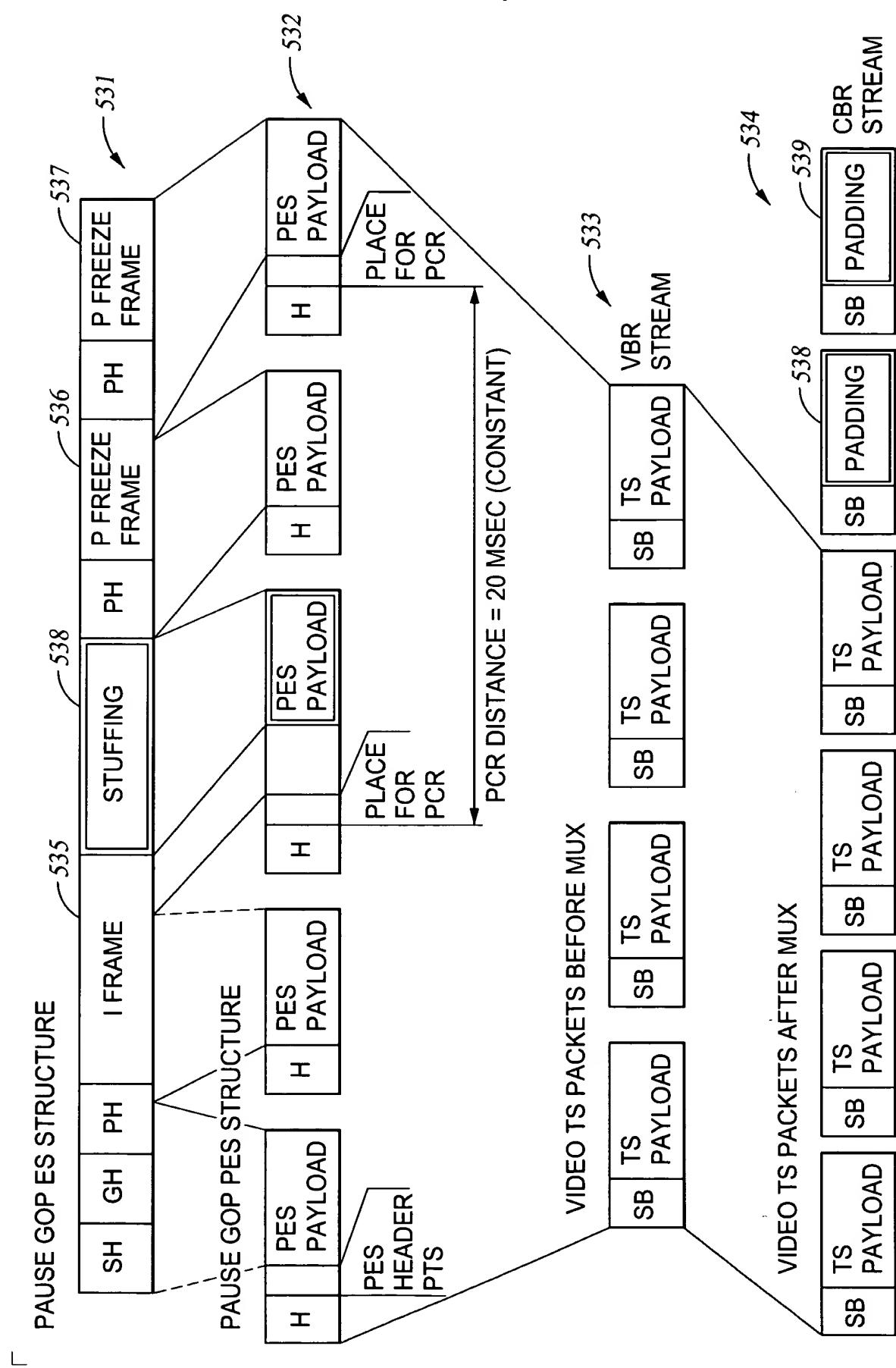


Fig. 32

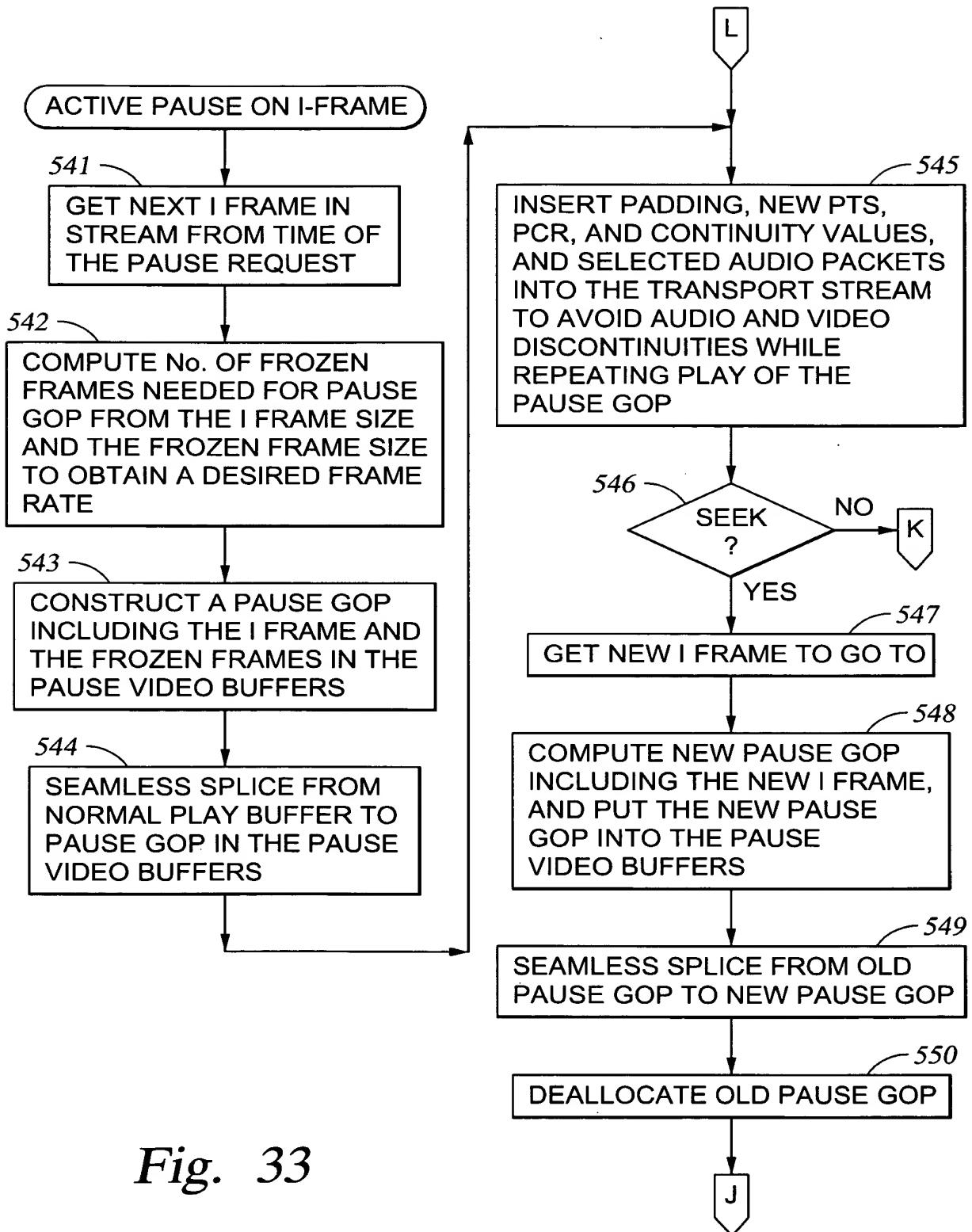


Fig. 33

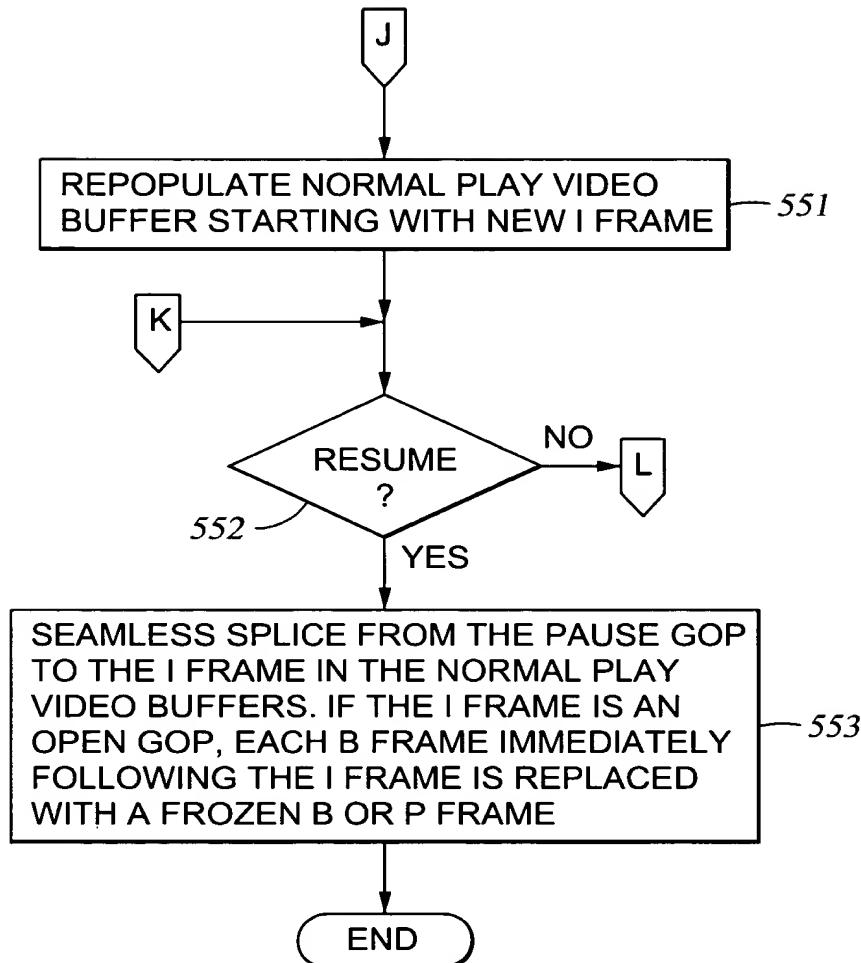


Fig. 34

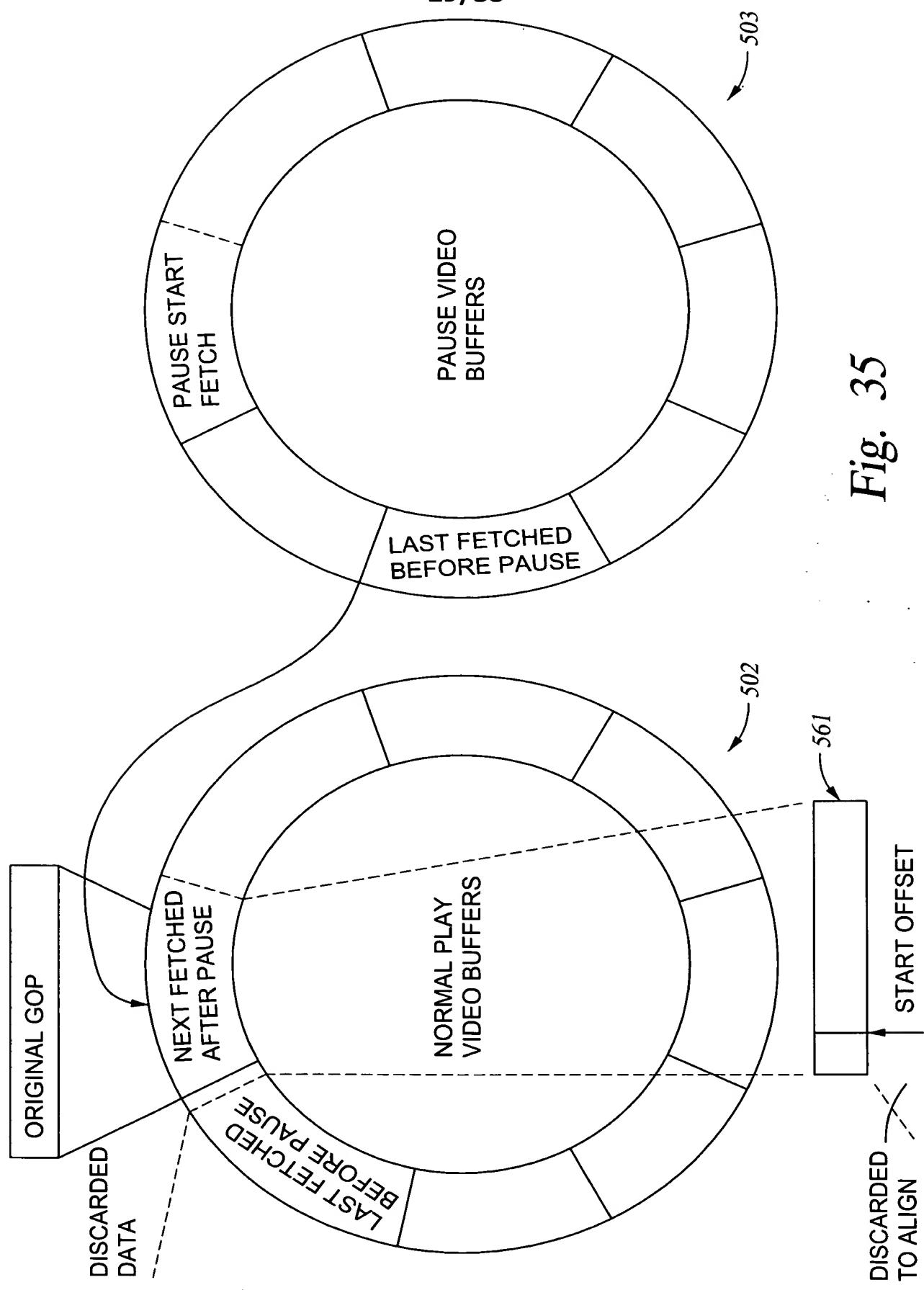


Fig. 35

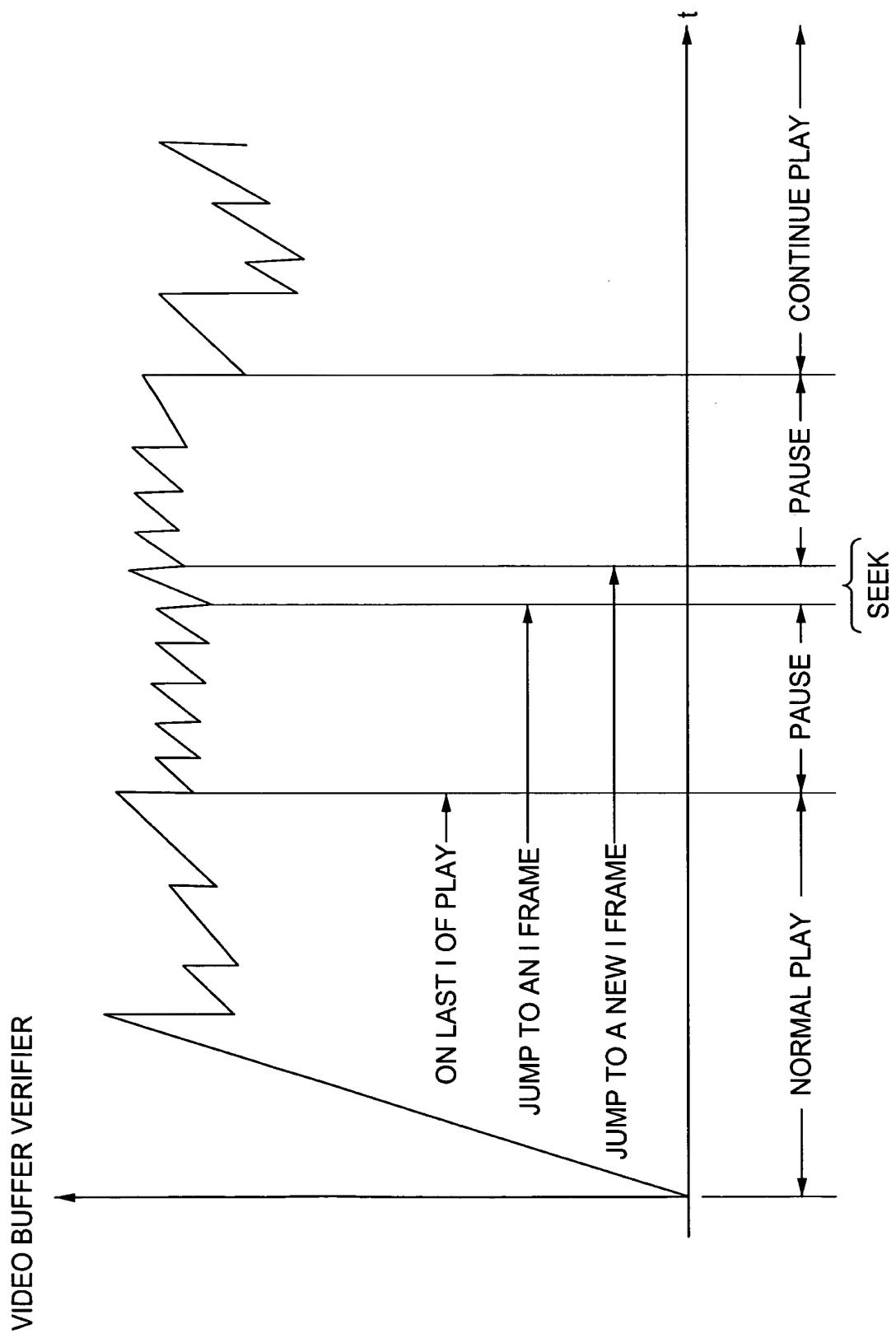


Fig. 36

ORIGINAL STREAM

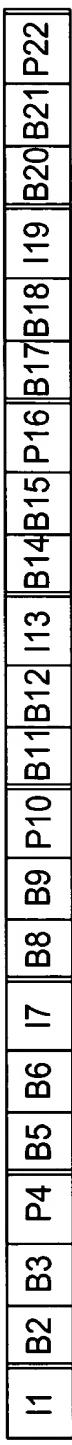
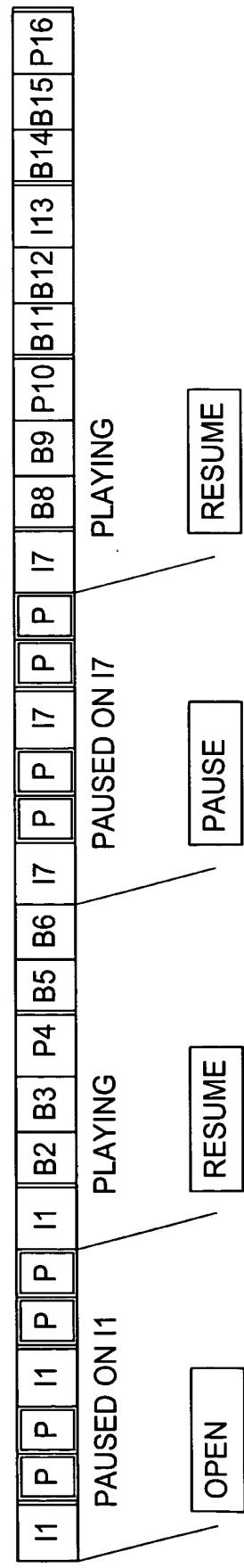


Fig. 37

ACTIVE PAUSE WITH CLOSED GOP  
FIRST CASE: PLAY - PAUSE



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Fig. 38

ACTIVE PAUSE WITH CLOSED GOP  
SECOND CASE: PLAY - PAUSE - SEEK

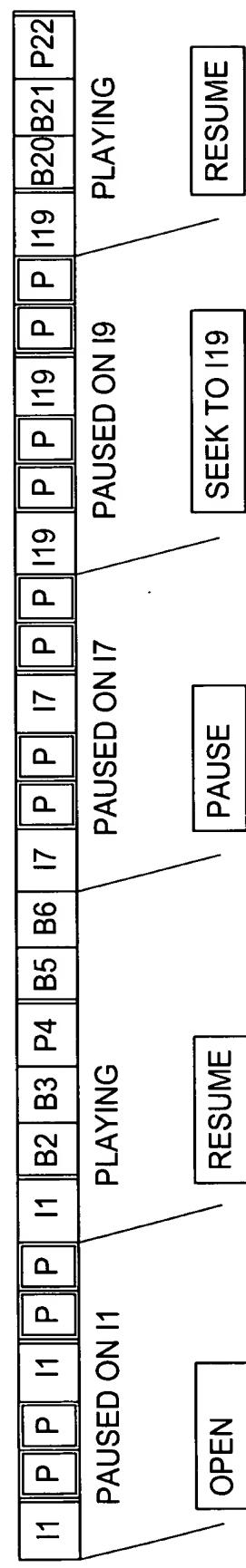


Fig. 39

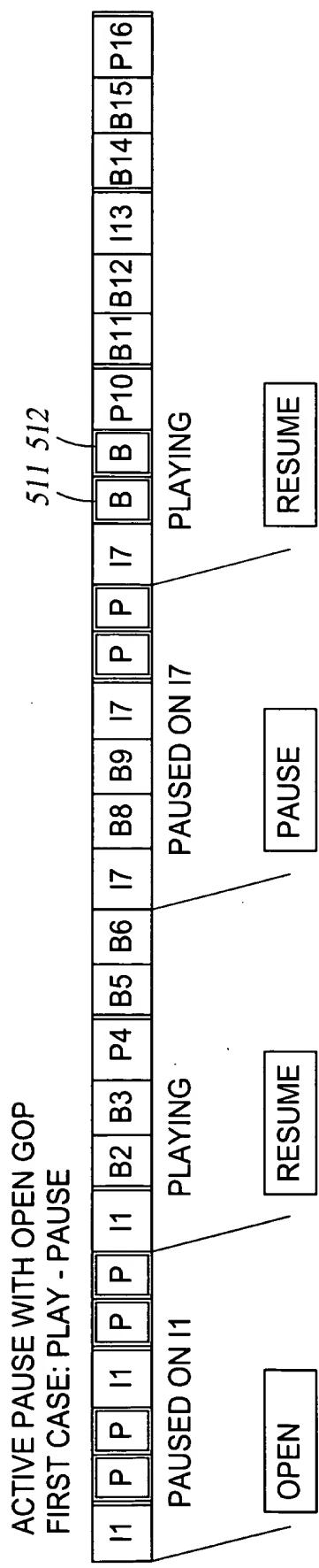


Fig. 40

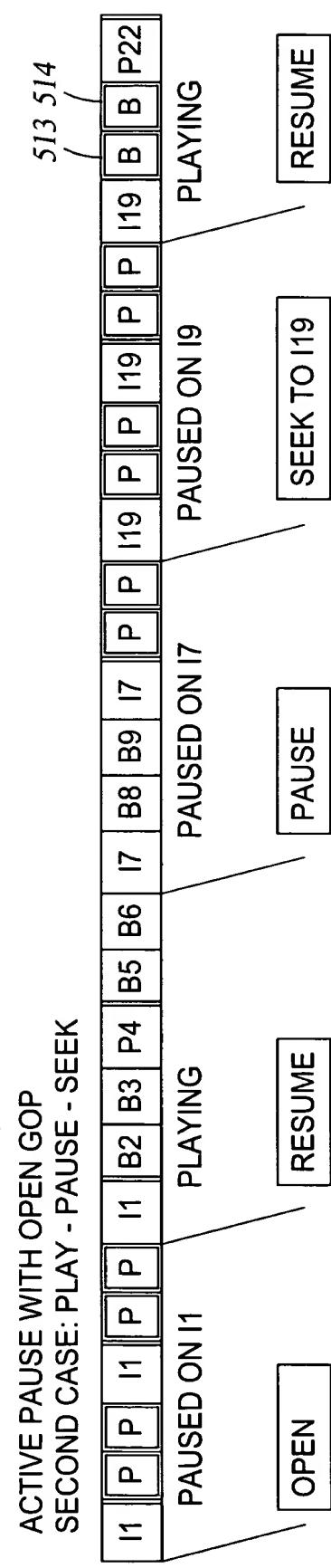


Fig. 41

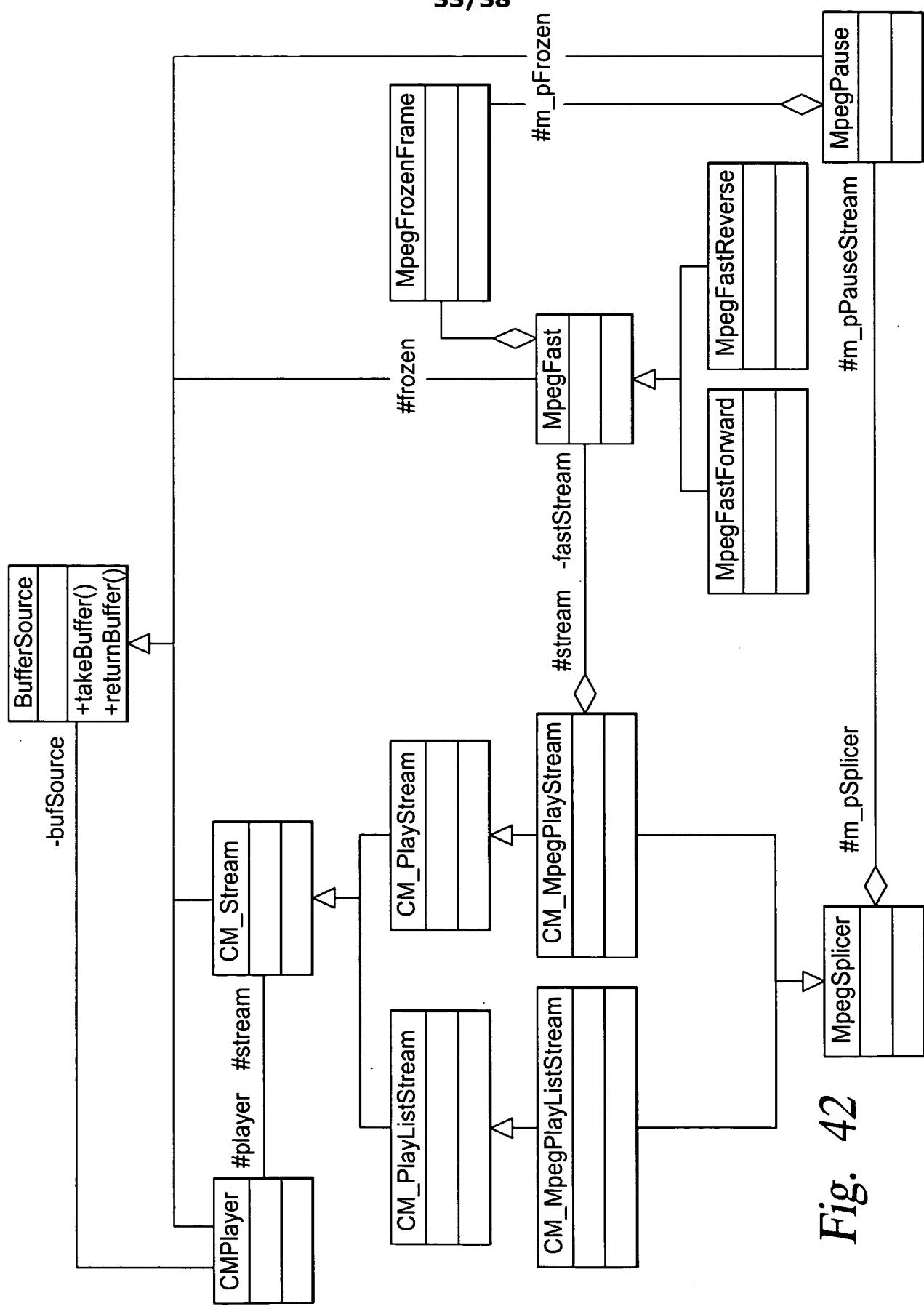


Fig. 42

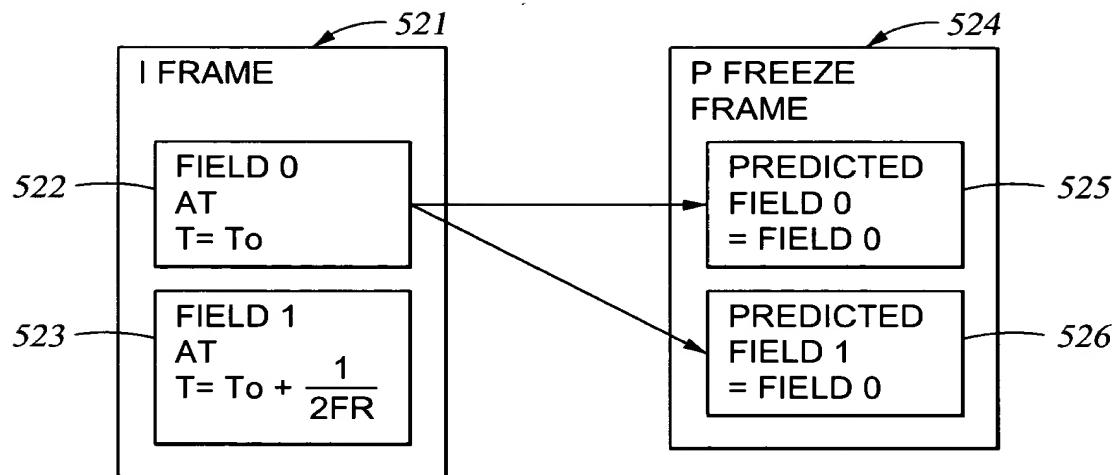


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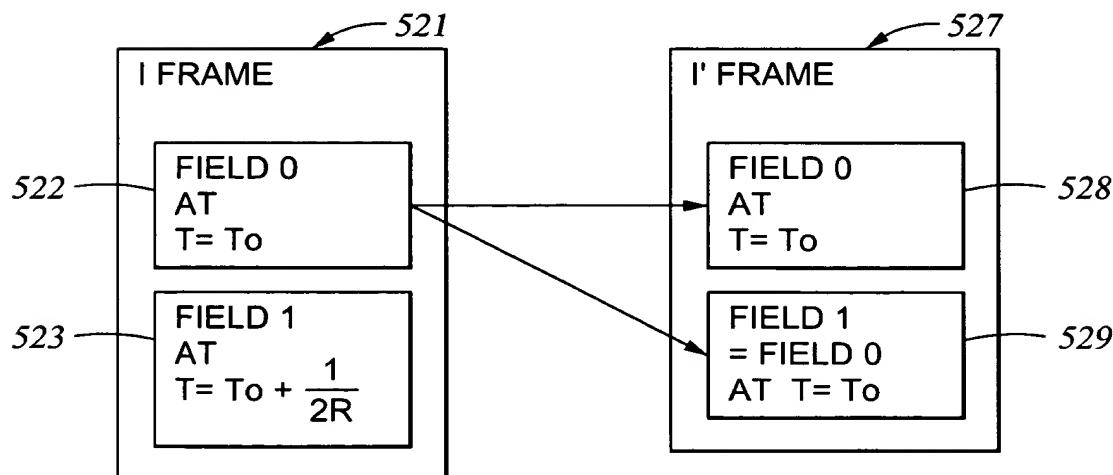


Fig. 44

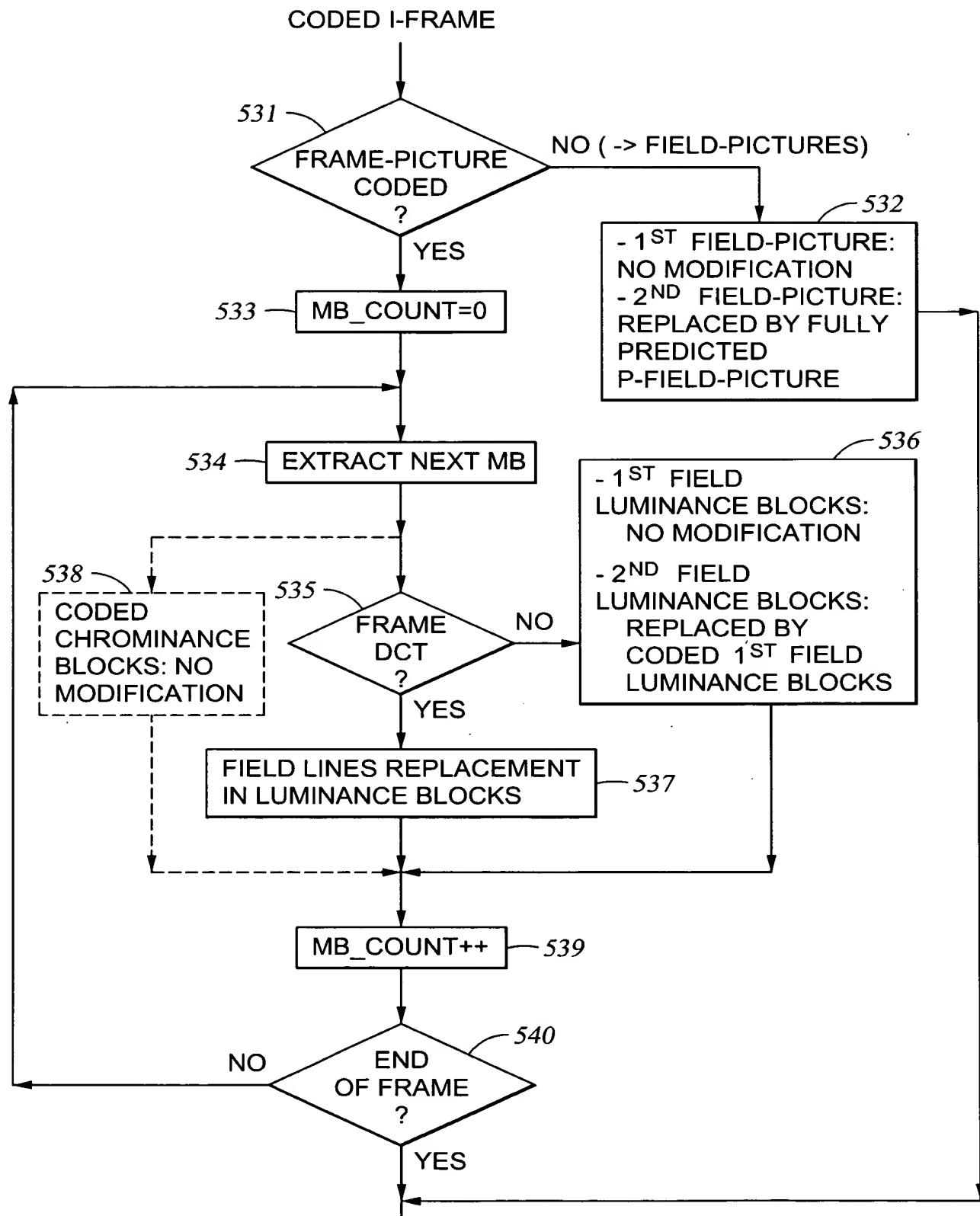


Fig. 45

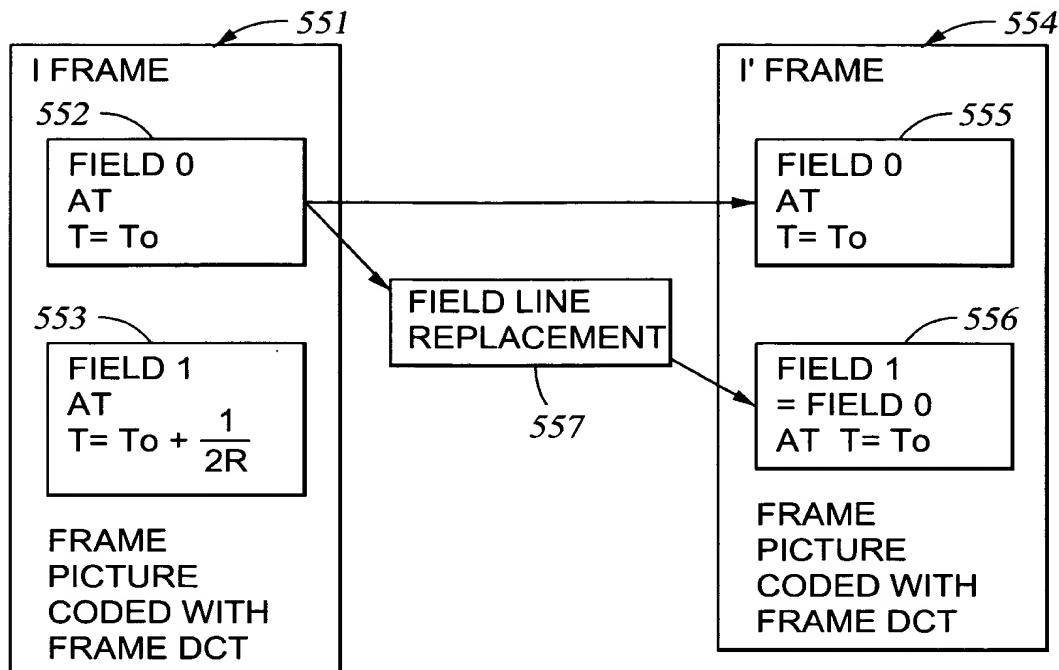


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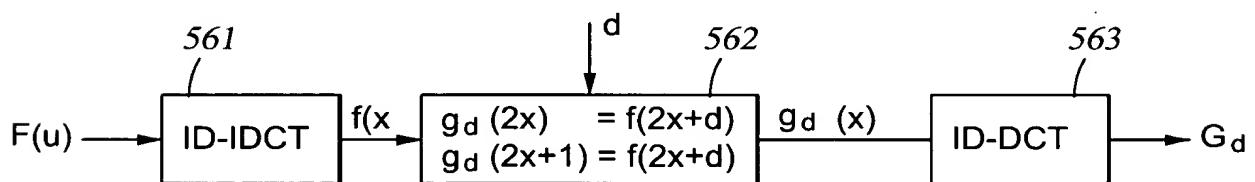


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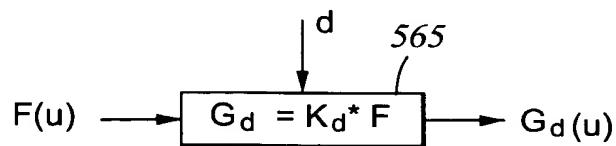


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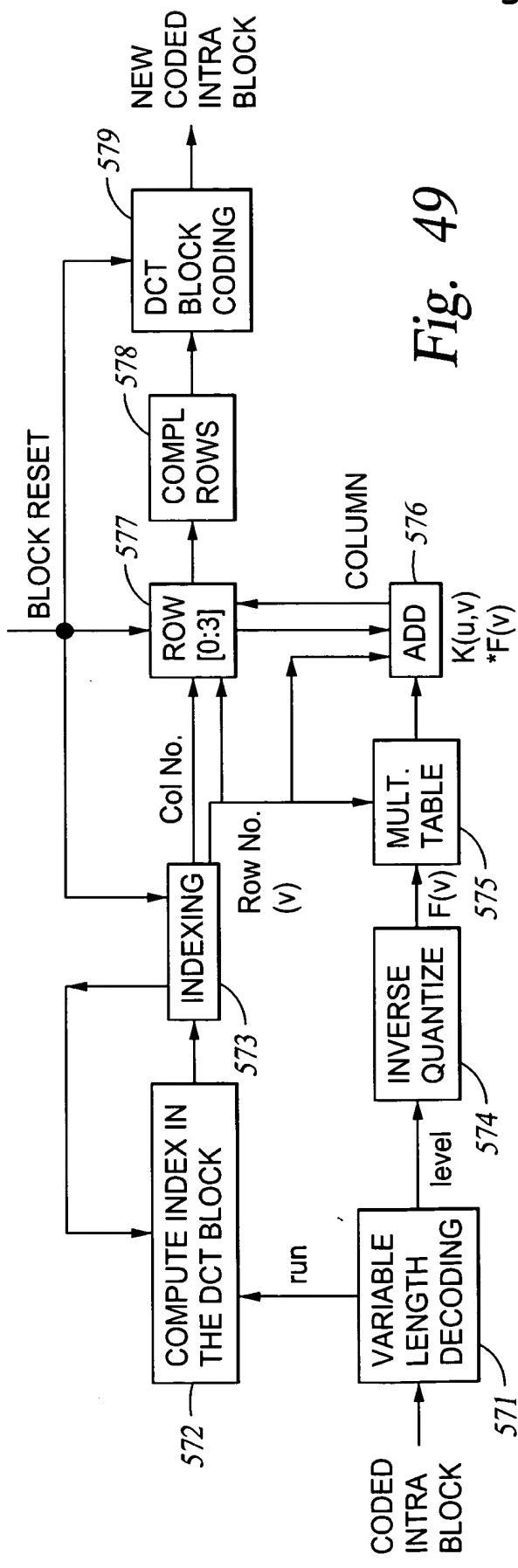


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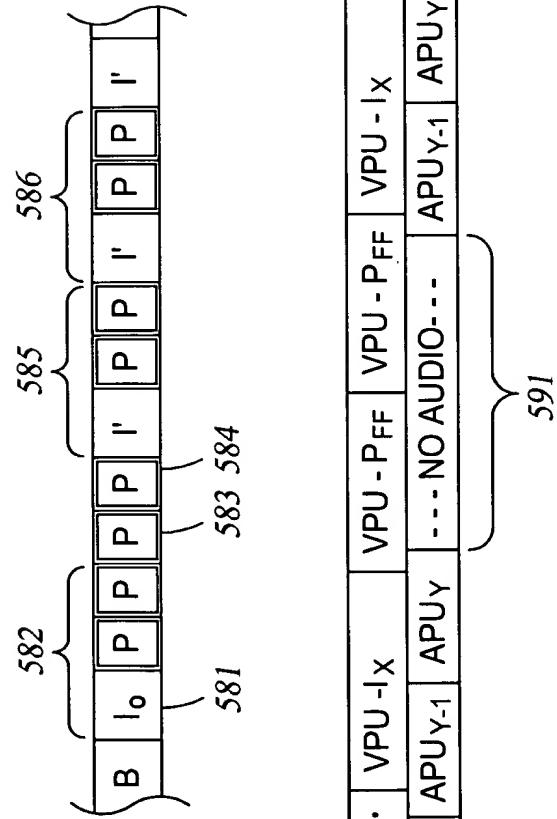


Fig. 50

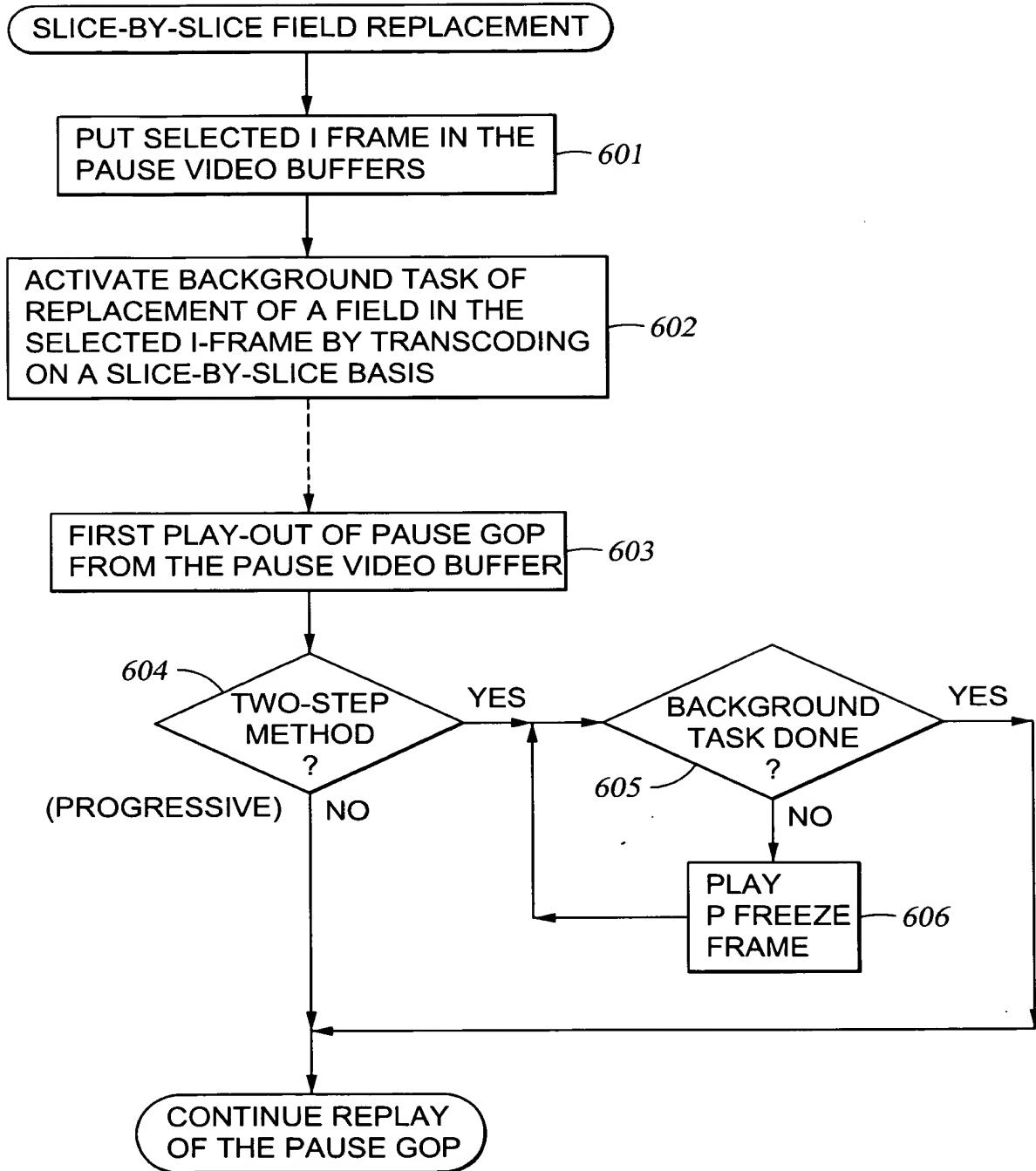


Fig. 51